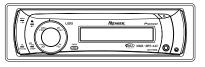


Service Manual



ORDER NO. CRT4237

DEH-P410UB/XS/UC

CD RECEIVER

DEH-P410UB/xs/uc DEH-P4100UB/xs/uc DEH-P4150UB/xs/ES

This service manual should be used together with the following manual(s):

Model No.	Order No.	Mech.Module	Remarks
CX-3240	CRT4050	S10.5COMP2-iPod/USB	CD Mech. Module : Circuit Descriptions, Mech. Descriptions, Disassembly



SAFETY INFORMATION

CAUTION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safety repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safety, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains certain electrical parts contain chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm. Health & Safety Code Section 25249.6 - Proposition 65

Where in a manufacturer's service documentation, for example in circuit diagrams or lists of components, a symbol is used to indicate that a specific component shall be replaced only by the component specified in that documentation for safety reasons, the following symbol shall be used:



Safety Precautions for those who Service this Unit. When checking or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.

Caution:

- 1. During repair or tests, minimum distance of 13 cm from the focus lens must be kept.
- 2. During repair or tests, do not view laser beam for 10 seconds or longer.

CAUTION:

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION

CLASS 1M INVISIBLE LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replaced only with the same or equivalent type recommended by the manufacture.

Discord used batteries according to the manufacture's instructions.

DEH-P410UB/XS/UC

[Important Check Points for Good Servicing]

in this manual, procedures that must be performed during repairs are marked with the below symbol. Please be sure to confirm and follow these procedures.

Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws



To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SERVICE PRECAUTIONS

1.1 SERVICE PRECAUTIONS



- You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.
- Before disassembling the unit, be sure to turn off the power. Unplugging and plugging the connectors during power-on mode may damage the ICs inside the unit.
- To protect the pickup unit from electrostatic discharge during servicing, take an appropriate treatment (shorting-solder) by referring to "the DISASSEMBLY".
- After replacing the pickup unit, be sure to check the grating.
- Be careful in handling ICs. Some ICs such as MOS type are so fragile that they can be damaged by electrostatic induction.

1.2 NOTES ON SOLDERING

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.

 Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 °C. Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:

• Parts numbers of lead-free solder:

GYP1006 1.0 in dia.

GYP1007 0.6 in dia.

GYP1008 0.3 in dia.

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2. SPECIFICATIONS

2.1 SPECIFICATIONS

DEH-P410UB/XS/UC, DEH-P4100UB/XS/UC

_	General	Slope 18 dB/oct
	Power source14.4 V DC (10.8 V to 15.1 V	Gain+ 6 dB to -24 dB
	allowable)	PhaseNormal/Reverse
	Grounding systemNegative type	Bass boost:
	Max. current consumption	Gain+12 dB to 0 dB
	10.0 A	CD player
В	Backup current5 mA or less	CD player
		System Compact disc audio syste
	Dimensions (W \times H \times D):	Usable discs
	DIN	Signal-to-noise ratio94 dB (1 kHz) (IHF-A network)
	Chassis 178 mm × 50 mm × 162	Number of channels 2 (stereo)
_	mm	MP3 decoding formatMPEG-1 & 2 Audio Layer
	(7 in. × 2 in. × 6-3/8 in.) Nose188 mm × 58 mm × 24 mm	WMA decoding format Ver. 7,7.1, 8, 9, 10, 11 (2c
	(7-3/8 in.× 2-1/4 in.× 1 in.)	audio)
	(7-5/8 III.X 2-1/4 III.X 1 III.)	(Windows Media Player)
	Chassis 178 mm × 50 mm × 162	AAC decoding formatMPEG-4 AAC (iTunes en-
	mm	coded only) (.m4a)
С	(7 in.× 2 in.× 6-3/8 in.)	(Ver. 7.2 and earlier)
	Nose	WAV signal formatLinear PCM & MS ADPCI
	(6-3/4 in.× 1-3/4 in.× 1 in.)	3
	Weight 1.3 kg(2.9 lbs)	USB
		SpecificationUSB 2.0 full speed
_	Audio	Supply current500 mA
	Maximum power output 50 W x 4	Maximum amount of memory
	$50 \text{ W} \times 2/4 \Omega + 70 \text{ W} \times 1/2$	250 GB
	Ω (for subwoofer)	File systemFAT16, FAT32
	Continuous power output 22 W × 4 (50 Hz to 15 000	MP3 decoding format MPEG-1 & 2 Audio Layer
	Hz, 5% THD, 4 Ω load, both	WMA decoding format Ver. 7,7.1, 8, 9, 10, 11 (2c
D	channels driven)	audio)
	Load impedance 4 Ω to 8 $\Omega \times$ 4	(Windows Media Player)
	4 Ω to 8 $\Omega \times 2 + 2 \Omega \times 1$	AAC decoding formatMPEG-4 AAC (iTunes en-
	Preout max output level 4 V	coded only) (.m4a)
	Equalizer (3-Band Parametric Equalizer):	(Ver. 7.2 and earlier)
_	Low	WAV signal formatLinear PCM & MS ADPCI
	Frequency 40/80/100/160 Hz	FM tuner
	Q Factor0.35/0.59/0.95/1.15 (+6 dB	
	when boosted)	Frequency range
	Gain±12 dB	S/N: 30 dB)
	Mid	Signal-to-noise ratio
E	Frequency	olghal-to-holse ratio
	Q Factor	AM tuner
	Gain±12 dB	Frequency range 530 kHz to 1710 kHz (10
	High	kHz)
	Frequency 3.15k/8k/10k/12.5k Hz	Usable sensitivity 18 µV (S/N: 20 dB)
	Q Factor	Signal-to-noise ratio 65 dB (IHF-A network)
	when boosted)	,
	Gain ±12 dB	
	HPF:	
	Frequency50/63/80/100/125 Hz	
	Slope12 dB/oct	
F	Subwoofer (mono):	
	Frequency50/63/80/100/125 Hz	

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Power output	. 14 W RMS × 4 Channels (4
	Ω and \leq 1 % THD+N)
S/N ratio	. 91 dBA (reference: 1 W into
	4 Ω)



Specifications and the design are subject to modifications without notice due to improvements.

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Rated p	ower source	14.4 V DC (allowable voltage range
		12.0 V to 14.4 V DC)
Groundi	ing system	
	rrent consumption	vogativo typo
	······································	10.0 A
Backup	current	5 mA or less
Dimensi DIN	ions (W \times H \times D):	
	Chassis	178 mm × 50 mm × 162 mm
D	Nose	188 mm × 58 mm × 24 n
В	Chassis	178 mm × 50 mm × 162
	Noos	mm 170 mm × 46 mm × 24 m
Weight	Nose	
Audio		
	m power output	50 W × 4
		50 W \times 2/4 Ω + 70 W \times 1
		Ω (for subwoofer)
Continu	ous power output	22 W × 4 (50 Hz to 15 00
		Hz, 5% THD, 4 Ω load, b
		channels driven)
I oad im	pedance	
	,p = 441 100	4Ω to $8 \Omega \times 2 + 2 \Omega \times 1$
Preout r	nax output level	
Equalize Lov	er (3-Band Parame v	etric Equalizer):
		40/80/100/160 Hz
	Q Factor	0.35/0.59/0.95/1.15 (+6 d
		when boosted)
	Gain	±12 dB
Mic	İ	
	Frequency	200/500/1k/2k Hz
		0.35/0.59/0.95/1.15 (+6
		when boosted)
	Gain	
Hig		
J		3.15k/8k/10k/12.5k Hz
		0.35/0.59/0.95/1.15 (+6
		when boosted)
	Gain	,
HPF:		
Fre	quency	50/63/80/100/125 Hz
	pe	
	ofer (mono):	
		. 50/63/80/100/125 Hz
	pe	
	in	
	ase	
Daga ha		
Bass bo		10 dD to 0 dD
	in	+12 dB to 0 dB

CD	pla	yer
----	-----	-----

System	. Compact disc audio system
Usable discs	Compact disc
Signal-to-noise ratio	.94 dB (1 kHz) (IEC-A net- work)
Number of channels	,
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9, 10, 11 (2ch
	audio)
	(Windows Media Player)
AAC decoding format	.MPEG-4 AAC (iTunes en-
	coded only) (.m4a)
	(Ver. 7.2 and earlier)
WAV signal format	Linear PCM & MS ADPCM

USB

Specification	USB 2.0 full speed
Supply current	.500 mA
Maximum amount of memo	ry
	250 GB
File system	FAT16, FAT32
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9, 10, 11 (2ch
	audio)
	(Windows Media Player)
AAC decoding format	.MPEG-4 AAC (iTunes en-
	coded only) (.m4a)
	(Ver. 7.2 and earlier)
WAV signal format	Linear PCM & MS ADPCM

FM tuner

Frequency range	87.5 MHz to 108.0 MHz
Usable sensitivity	8 dBf (0.7 μ V/75 Ω , mono,
	S/N: 30 dB)
Signal-to-noise ratio	75 dB (IEC-A network)

AM tuner

Frequency range	531 kHz to 1 602 kHz (9 kHz)
	530 kHz to 1 640 kHz (10
	kHz)
Usable sensitivity	18 μV (S/N: 20 dB)
Signal-to-noise ratio	65 dB (IEC-A network)

Infrared remote control

Wavelength	940 nm ±50 nm
Output	typ; 12 mw/sr per Infrared
•	LED



Specifications and the design are subject to modifications without notice due to improvements.

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2.2 DISC/CONTENT FORMAT







* Depends on the version of Windows Media Player 11 used to encode WMA files, the noise may appear.
Then, if you update the version, the noise will be solved.

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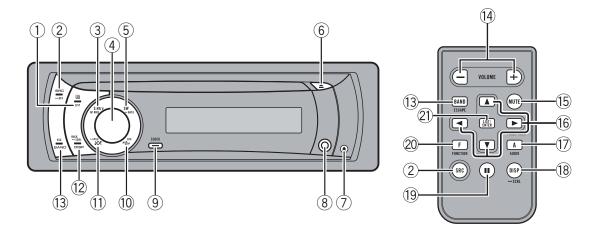
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DEH-P410UB/XS/UC

2.3 PANEL FACILITIES

DEH-P410UB/XS/UC, DEH-P4100UB/XS/UC



What 's what

Head unit

С

1 LIST button

Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.

2 SOURCE/OFF button

This unit is turned on by selecting a source. Press to cycle through all the available sources.

3 S.Rtrv/SAT MODE button

Press to switch Sound Retriever settings. When XM tuner or SIRIUS tuner is selected as the source, press to change the channel select mode.

4 MULTI-CONTROL

Move to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions. Turn to increase or decrease the volume.

(5) SW/BASS button

Press to switch to subwoofer setting menu. When operating subwoofer menu, press to switch menu.

Press and hold to switch to bass boost menu.

6 EJECT button

Press to eject a disc.

7 DETACH button

Press to remove the front panel from the head unit.

9 CLOCK button

Press to change to the clock display.

10 RPT/LOCAL button

Press to switch the repeat play range while using CD, USB or iPod.

Press to switch local settings while using tuner as the source.

1 RDM/iPod button

Press to turn random function on or off while using CD or USB.

While using an iPod, press to shuffle all tracks.

Press and hold to switch the control mode while using an iPod.

If using the iPod with an interface adapter (CD-IB100 $\scriptstyle\rm II$), press to switch the shuffle function.

12 DISP/BACK/SCRL button

Press to select different displays.

Press and hold to scroll through the text information.

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Press to return to the previous display when operating the menu.

Press and hold to return to the main menu when operating the menu.

13 BAND/ESC button

Press to select among three FM bands and one AM band.

Press to return to the ordinary display when operating the menu.

Remote control

Operation is the same as when using the buttons on the head unit.

(14) VOLUME buttons

Press to increase or decrease the volume.

15 MUTE button

Press to turn off the sound. To turn on the sound, press again.

16 **▲/▼/ ✓/ ▶** buttons

Press to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.

(7) AUDIO button

Press to select an audio function.

18 DISP button

Press to select different displays. Press and hold to scroll through the text information.

19 II button

Press to turn pause on or off.

20 FUNCTION button

Press to select functions.

21 LIST/ENTER button

Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.

While in the operating menu, press to control functions.

Display indication

Main display section

Displays band, frequency, elapsed playback time and other settings.

- Tuner
 Band and frequency are displayed.
- Built-in CD player, USB, iPod
 Elapsed playback time and literal information are displayed.

S.Rtrv indicator

Appears when Sound Retriever function is on.

Appears when an upper tier of folder or menu exists.

(folder) indicator

Appears when operating list function.

⑤ ▶ indicator

Appears when a lower tier of folder or menu exists.

⑥ [♣](artist) indicator

Appears when the disc (track) artist name is displayed on the main display section.

Appears when artist search refinement on the iPod browsing function is in use.

(disc) indicator

Appears when the disc (album) name is displayed on the main display section.

Appears when album search refinement on the iPod browsing function is in use.

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③ [→] (song) indicator

Appears when the track (song) name is displayed on the main display section.

Appears when song search refinement on the iPod browsing function is in use.

Appears when subwoofer is on.

LOC indicator

Appears when local seek tuning is on.

① (stereo) indicator

Appears when the selected frequency is being broadcast in stereo.

(shuffle) indicator

Appears when shuffle function is on while iPod source is being selected.

B F-REPEAT indicator

Appears when folder repeat is on. When repeat function is on, only **REPEAT** is displayed.

F-RANDOM indicator

Appears when folder random is on. When random function is on, only **RANDOM** is displayed.

(loudness) indicator

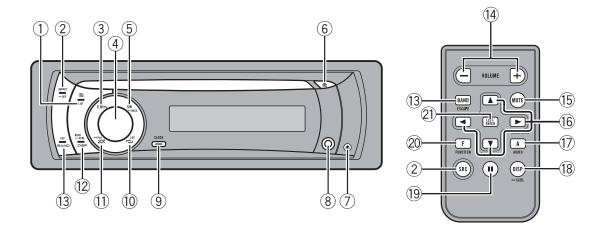
Appears when loudness is on.

(iPod connection) indicator

Appears when the iPod connection is recognized while USB source is being selected.

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DEH-P4150UB/XS/ES



What 's what

Head unit

1 LIST button

Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.

2 SOURCE/OFF button

This unit is turned on by selecting a source. Press to cycle through all the available sources.

③ S.Rtrv button

Press to switch Sound Retriever settings.

4 MULTI-CONTROL

Move to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.

Turn to increase or decrease the volume.

(5) SW/BASS button

Press to switch to subwoofer setting menu. When operating subwoofer menu, press to switch menu.

Press and hold to switch to bass boost menu.

6 EJECT button

Press to eject a disc.

7 DETACH button

Press to remove the front panel from the head unit.

8 AUX input jack (3.5 mm stereo jack) Use to connect an auxiliary device.

9 CLOCK button

Press to change to the clock display.

(1) RPT/LOCAL button

Press to switch the repeat play range while using CD, USB or iPod.

Press to switch local settings while using tuner as the source.

(1) RDM/iPod button

Press to turn random function on or off while using CD or USB.

While using an iPod, press to shuffle all tracks.

Press and hold to switch the control mode while using an iPod.

If using the iPod with an interface adapter (CD-IB100 $\rm II$), press to switch the shuffle function.

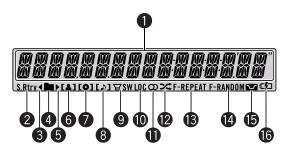
12 DISP/BACK/SCRL button

Press to select different displays.

Press and hold to scroll through the text information.

Press to return to the previous display when operating the menu.

DEH-P410UB/XS/UC



Press and hold to return to the main menu when operating the menu.

13 BAND button

Press to select among three FM bands and one AM band.

Press to return to the ordinary display when operating the menu.

Remote control

Operation is the same as when using the buttons on the head unit.

(14) **VOLUME** buttons

Press to increase or decrease the volume.

15 MUTE button

Press to turn off the sound. To turn on the sound, press again.

16 ▲/▼/◄/▶ buttons

Press to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.

(17) AUDIO button

Press to select an audio function.

18 DISP button

Press to select different displays. Press and hold to scroll through the text information.

(19) II button

Press to turn pause on or off.

20 FUNCTION button

Press to select functions.

21) LIST/ENTER button

Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.

While in the operating menu, press to control functions.

Display indication

Main display section

Displays band, frequency, elapsed playback time and other settings.

- Tuner
 - Band and frequency are displayed.
- Built-in CD player, USB, iPod
 Elapsed playback time and literal information are displayed.

2 S.Rtrv indicator

Appears when Sound Retriever function is on.

Appears when an upper tier of folder or menu exists.

4 (folder) indicator

Appears when operating list function.

6 ▶ indicator

Appears when a lower tier of folder or menu exists.

⑥ [♣] (artist) indicator

Appears when the disc (track) artist name is displayed on the main display section.

Appears when artist search refinement on the iPod browsing function is in use.

(disc) indicator

Appears when the disc (album) name is displayed on the main display section.

Appears when album search refinement on the iPod browsing function is in use.

③ [→] (song) indicator

Appears when the track (song) name is displayed on the main display section.

DEH-P410UB/XS/UC

Appears when song search refinement on the iPod browsing function is in use.

⑨ ∀ (subwoofer) indicator

Appears when subwoofer is on.

1 LOC indicator

Appears when local seek tuning is on.

1 ○ (stereo) indicator

Appears when the selected frequency is being broadcast in stereo.

(shuffle) indicator

Appears when shuffle function is on while iPod source is being selected.

B F-REPEAT indicator

Appears when folder repeat is on. When repeat function is on, only **REPEAT** is displayed.

F-RANDOM indicator

Appears when folder random is on. When random function is on, only **RANDOM** is displayed.

(loudness) indicator

Appears when loudness is on.

(iPod connection) indicator

Appears when the iPod connection is recognized while USB source is being selected.

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2.4 CONNECTION DIAGRAM

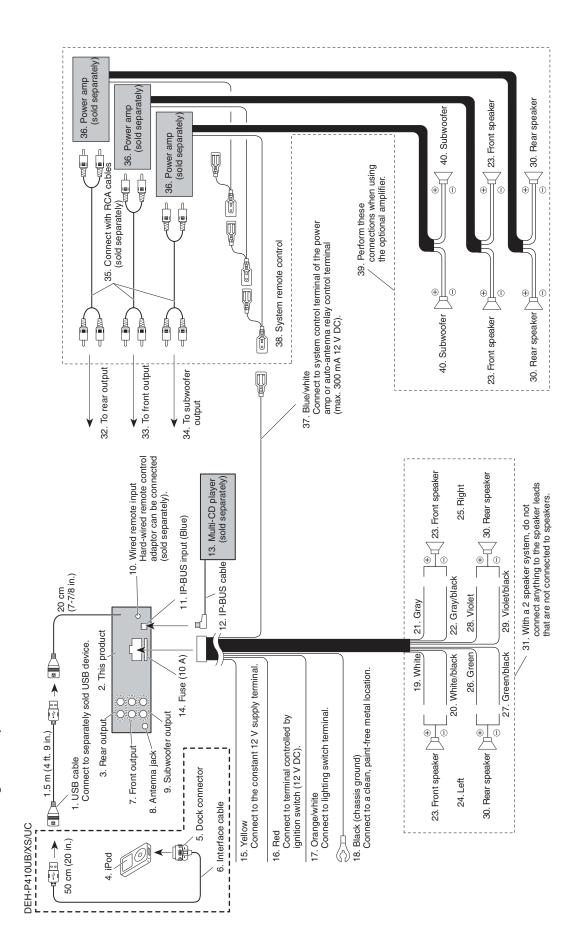
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DEH-P410UB/XS/UC

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When not connecting a rear speaker lead to a subwoofer

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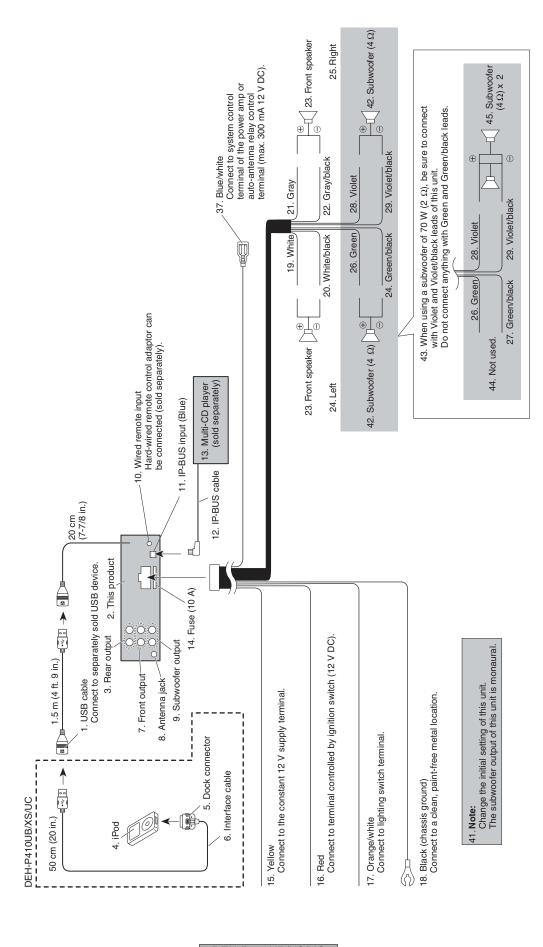
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3. BASIC ITEMS FOR SERVICE 3.1 CHECK POINTS AFTER SERVICING

To keep the product quality after servicing, please confirm following check points.

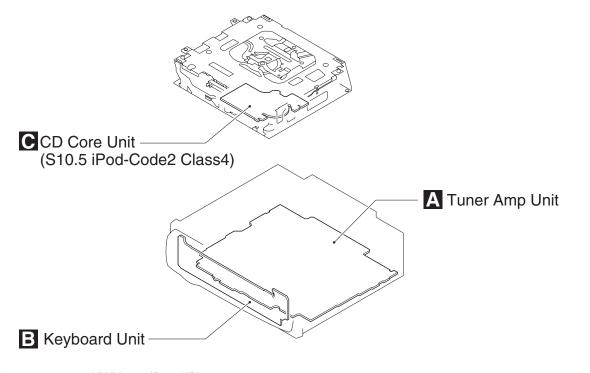
No.		Procedures	Item to be confirmed
1		Confirm whether the customer complain has	The customer complain must not be
		been solved.	reappeared.
		If the customer complain occurs with the	Display, audio and operations must be
		specific media, use it for the operation check.	normal.
2	CD	Play back a CD.	No malfunction on display, audio and
		(Track search)	operation.
3	FM/AM tuner	Check FM/AM tuner action.	Display, audio and operations must be
		(Seek, Preset)	normal.
		Switch band to check both FM and AM.	
4		Check whether no disc is inside the product.	The media used for the operating check must
			be ejected.
5		Appearance check	No scratches or dirt on its appearance after
			receiving it for service.

See the table below for the items to be checked regarding audio:

Item to be checked regarding audio	
Distortion	
Noise	
Volume too low	
Volume too high	
Volume fluctuating	
Sound interrupted	

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3.2 PCB LOCATIONS



Unit Number YWM5394(P410UB) **Unit Number** (P410UB) YWM5392(P4100UB) **Unit Number Unit Number** (P4100UB) YWM5396(P4150UB) Unit Number **Unit Number** (P4150UB) Unit Name Tuner Amp Assy Unit Name Keyboard Unit CWX3712 **Unit Number**

> CD Core Unit(S10.5 iPod-Code2 Class4) **Unit Name**

3.3 JIGS LIST

Jigs List

Name	Jig No.	Remarks
Test Disc	TCD-782	Checking the grating
L.P.F.		Checking the grating (Two pieces)

Grease List

Name	Grease No.	Remarks
Grease	GEM1024	CD Mechanism Module
Grease	GEM1045	CD Mechanism Module

3.4 CLEANING



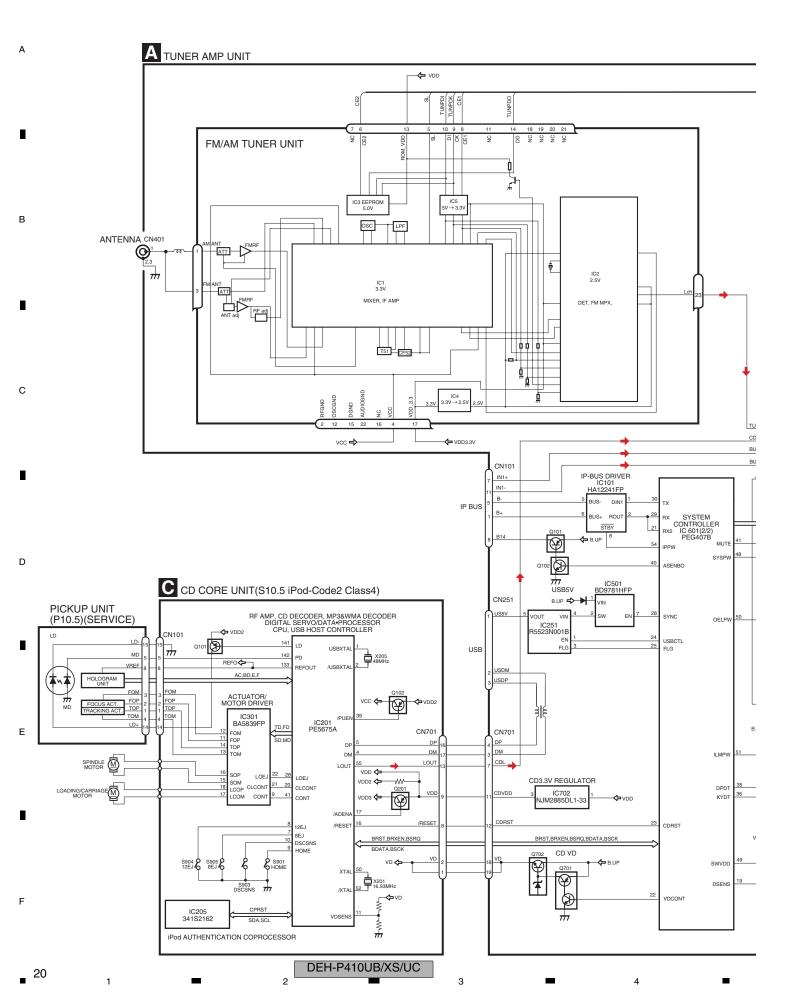
Before shipping out the product, be sure to clean the following portions by using the prescribed cleaning tools:

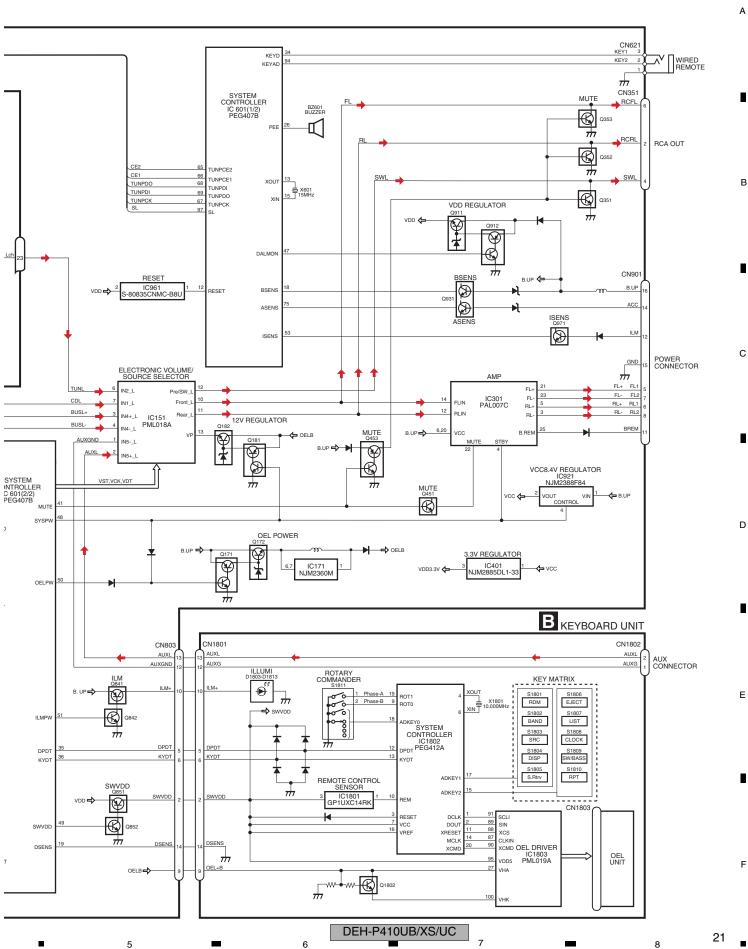
Portions to be cleaned	Cleaning tools
CD pickup lenses	Cleaning liquid : GEM1004
	Cleaning paper : GED-008

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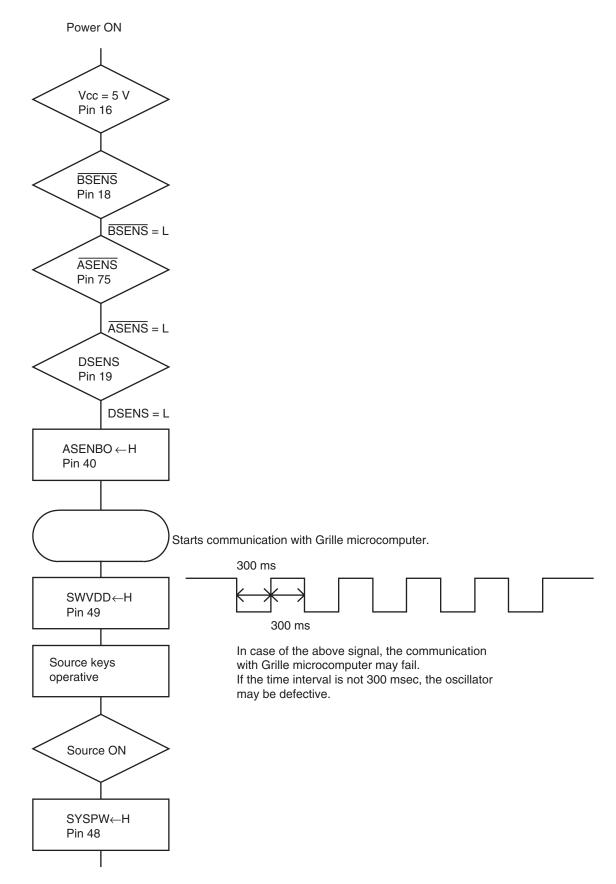
4. BLOCK DIAGRAM





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Completes power-on operation.(After that, proceed to each source operation.)

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5.2 ERROR CODE LIST

Error Messages

If a CD is not operative or stopped during operation due to an error, the error mode is turned on and cause(s) of the error is indicated with a corresponding number. This arrangement is intended at reducing nonsense calls from the users and also for facilitating trouble analysis and repair work in servicing.

(1) Basic Indication Method

1) When SERRORM is selected for the CSMOD (CD mode area for the system), error codes are written to DMIN (minutes display area) and DSEC (seconds display area). The same data is written to DMIN and DSEC. DTNO remains in blank as before.

2) Head unit display examples

Depending on display capability of LCD used, display will vary as shown below. xx contains the error number.

8-digit display	6-digit display	4-digit display
ERROR-xx	ERR-xx	E-xx

(2) Error Code List

(2) LIII	JI COUG LIST			
Code	Class	Displayed error code	Description of the code and potential cause(s)	
10	Electricity	Carriage Home NG	CRG can't be moved to inner diameter.	
		SERVO LSI Com-	CRG can't be moved from inner diameter.	
		munication Error	-> Failure on home switch or CRG move mechanism.	
			Communication error between microcomputer and SERVO LSI.	
11	Electricity	Focus Servo NG	Focusing not available.	
			-> Stains on rear side of disc or excessive vibrations on REWRITABLE.	
12	Electricity	Spindle Lock NG	Spindle not locked. Sub-code is strange (not readable).	
		Subcode NG	-> Failure on spindle, stains or damages on disc, or excessive vibrations.	
			A disc not containing CD-R data is found.	
			Turned over disc are found, though rarely.	
			CD signal error.	
17	Electricity	Setup NG	AGC protection doesn't work. Focus can be easily lost.	
			-> Damages or stains on disc, or excessive vibrations on REWRITABLE.	
30	Electricity	Search Time Out	Failed to reach target address.	
			-> CRG tracking error or damages on disc.	
44	Electricity	ALL Skip	Skip setting for all track.	
			(CD-R/RW)	
50	Mechanism	CD On Mech Error	Mechanical error during CD ON.	
			-> Defective loading motor, mechanical lock and mechanical sensor.	
A0	System	Power Supply NG	Power (VD) is ground faulted.	
			-> Failure on SW transistor or power supply (failure on connector).	

Remarks: Mechanical errors are not displayed (because a CD is turned off in these errors).

Unreadable TOC does not constitute an error. An intended operation continues in this case.

Upper digits of an error code are subdivided as shown below:

1x: Setup relevant errors, 3x: Search relevant errors, Ax: Other errors.

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iPod error

Message	Cause	Action
NO SONGS	No songs in the iPod	Transfer the songs to the iPod.
STOP	No songs in the current list	Select a list that contains the songs.
ERROR-11	Communication failure	Disconnect the cable from the iPod. Once the iPod main menu is displayed, connect the cable again.
		Reset the iPod.
ERROR-21	Old version of the iPod	Update the iPod version.
ERROR-30	iPod failure	Reset the iPod.
ERROR-A0	iPod is not charged but operates correctly.	Check if the connection cable for the iPod shorted out. After checking, switch the ignition key or disconnect the iPod and connect again.

USB error

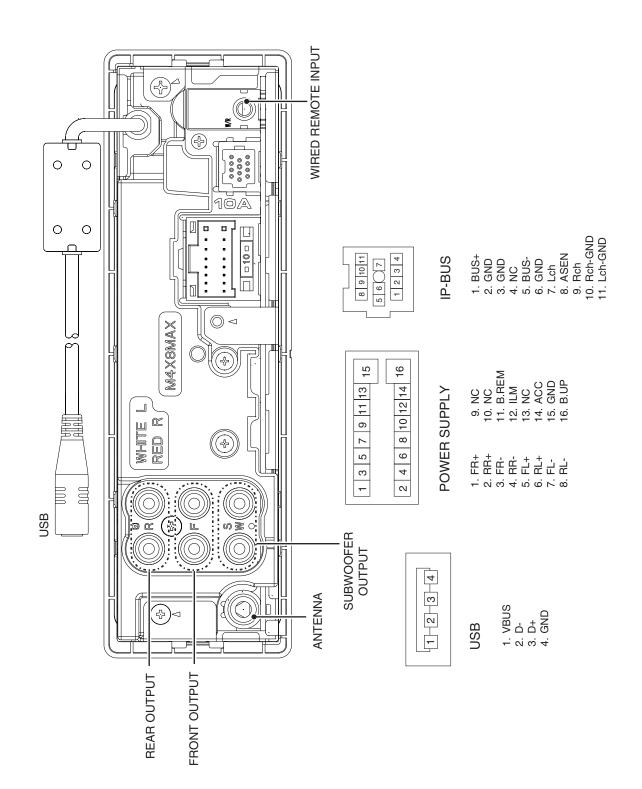
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Message	Cause	Action	
	No songs in the USB device	Transfer the songs to the USB device.	
NO AUDIO	USB memory with security enabled is connected	Follow the USB memory instructions to disable the security.	
TRK SKIPPED	The connected USB device contains WMA files that are protected by DRM	Play an audio file not protected by DRM.	
PROTECT	All the files in the USB device are protected by DRM	Transfer the songs not protected by DRM to the USB device.	
N/A USB	The connected USB device is not supported by this unit	Connect a USB device that is compliant as a Mass Storage Class.	
	The USB connector or the USB cable is short-circuited	Confirm the USB connector or the USB cable.	
CHK USB	The connected USB device consumes more than 500 mA (max. allowable current)	Confirm the USB device.	
N/A PLAYLIST	Selected m3u playlist cannot be played back	Soloat another playlist	
	All the files on the selected m3u playlist are protected by DRM	Select another playlist.	

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5.3 CONNECTOR FUNCTION DESCRIPTION



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6. SERVICE MODE 6.1 DISPLAY TEST MODE

1. To enter the test mode

Turn on ACC and Backup while pressing the RPT button and the DISP button together.

- 2. To exit from the test mode Turn off ACC and Backup
 - 3. Operation method Change display as follows by pressing the RPT button and the DISP button together.
- Normal display --> Display stop --> All light of display -->

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6.2 CD TEST MODE

• How to issue the 1 - 6 keys in the 08 model's slave test:

The specification of the 08 model does not include the 1 - 6 keys issuance function for H/U and the remote control unit. Therefore, in order to issue commands in a slave test, use the direct FUNCTION keys alternatively to enable the equal key command sending function to the existing models.

Outline) Use the direct FUNCTION keys to display, select, or issue the KEY 1 - 6.

<Direct FUNCTION keys and corresponding functions>

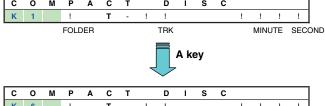
Direct FUNCTION key	Normal mode	Slave test mode
Α	S.Rtrv/FUNC1	Selecting a key command
В	RDM/SHFL/FUNC2	Issuing a key command
С	RPT/LOCAL/FUNC3	Switching a screen

- For convenience, a name of each direct FUNCTION key is shown as "A", "B", and "C".
- . How to issue the 1 6 keys for the CDS source:

(The _____ areas below are overwritten and displayed on character strings for the normal mode display.)

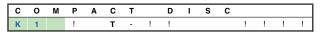
① During the slave test mode, the key name "K1" is shown at the left by default.

In this condition, press the A key to toggle K1 - K6, and select a command to be sent to the slave.



The one-line model shows only the bottom column.

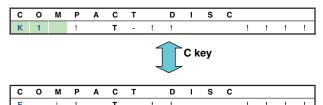
② During the K1 - K6 key names are displayed, press the B key and issue the selected command.





Send a key command selected by pressing the KEY 1.

③ Press the C key to change display/non-display of key names.
When the non-display mode is selected for the K1 - K6 key names, "A key" and "B key" are invalid.

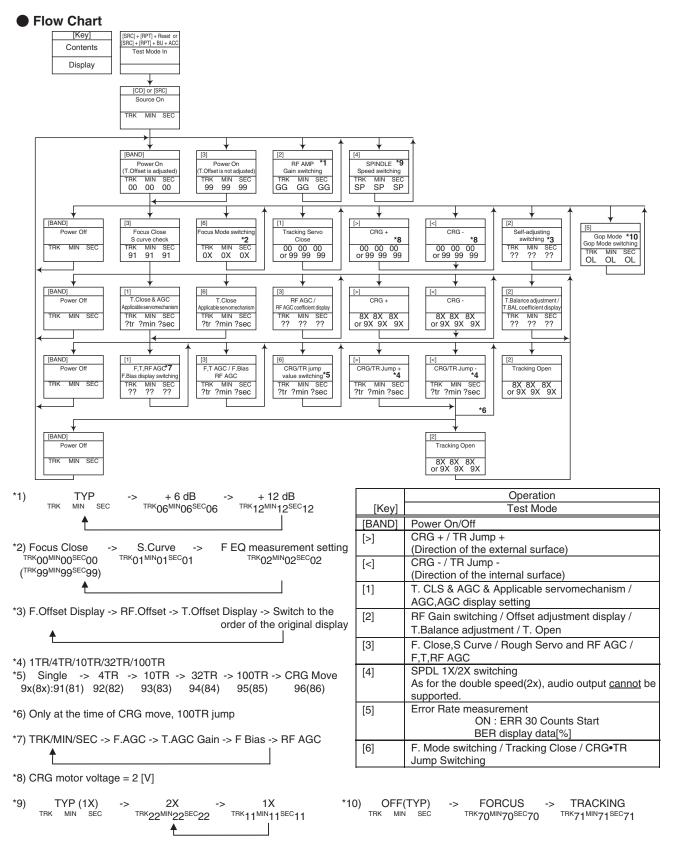


Pressing the A key or B key does not work.

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- As for the double speed (2x), audio output cannot be supported
- After the [Eject] key is pressed keys other than the [Eject] key should not be pressed, until disc ejection is complete.
- When the key [2] or [3] is pressed during the Focus Search, the power supply should be immediately turned off (otherwise the lens sticks to Wall, causing the actuator to be damaged).
- In the case of TR jump other than to 100TR, the function shall continue to be processed even if the TR jump key is released. As for the CRG Move and 100TR Jump, the mechanism shall be set to the Tracking Close mode when the key is released.
- When the power is turned on/off the jump mode is reset to the Single TR (91) while the gain of the RFAMP is reset to 0 dB. At the same time all the self-adjusting values shall return to the default setting.

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- ■Removing the Case (not shown)
- 1. Remove the Case.

■Removing the CD Mechanism Module (Fig.1)



Release the three latches and then remove the Panel Assy.



Remove the four screws.

Disconnect the connector and then remove the CD Mechanism Module.

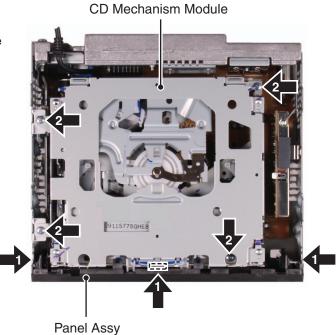


Fig.1

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● Removing the Tuner Amp Unit (Fig.2)



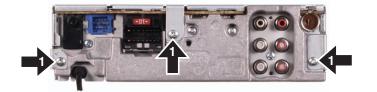
Remove the three screws.

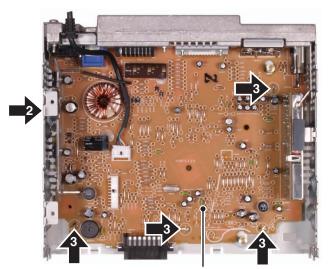


Remove the screw.



Straighten the tabs at four locations indicated and then remove the Tuner Amp Unit.





Tuner Amp Unit

Fig.2

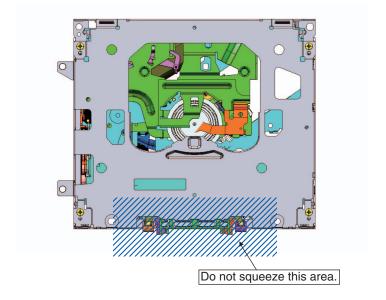
DEH-P410UB/XS/UC

How to hold the Mechanism Unit

1. Hold the Upper and Lower Frames.

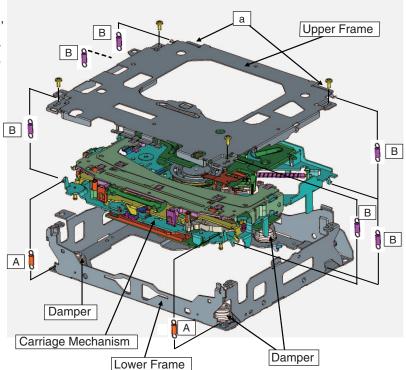
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2. Do not hold the front portion of the Upper Frame, because it is not very solid.



Removing the Upper and Lower Frames

- 1. With a disc inserted and clamped in the mechanism, remove the two Springs (A), the six Springs (B), and the four Screws.
- 2. Turn the Upper Frame using the part "a" as a pivot, and remove the Upper Frame.
- 3. While lifting the Carriage Mechanism, remove it from the three Dampers.
- Caution: When assembling, be sure to apply some alcohol to the Dampers and assemble the mechanism in a clamped state.



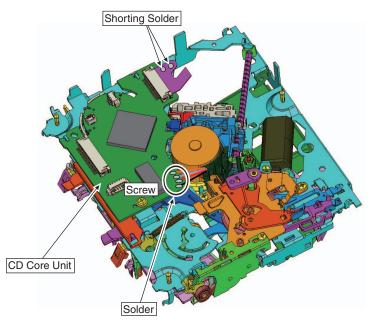
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- 2. Unsolder the four leads, and loosen the Screw.
- 3. Remove the CD Core Unit.

Caution: When assembling the CD Core Unit, assemble it with the SW in a clamped state so as not to damage it.

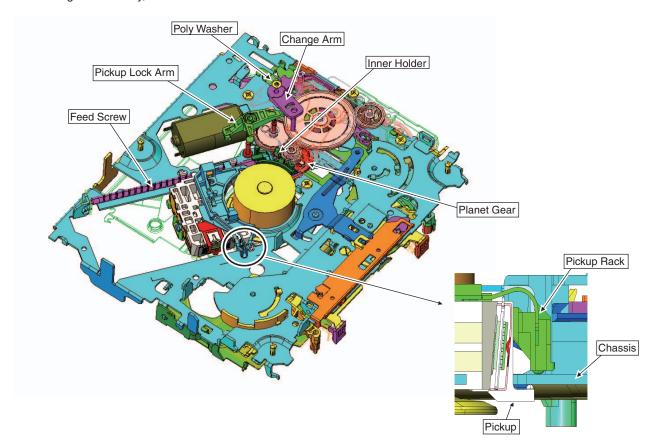


How to remove the Pickup Unit

- 1. Make the system in the carriage mechanism mode, and have it clamped.
- 2. Remove the CD Core Unit and remove the leads from the Inner Holder.
- 3. Remove the Poly Washer, Change Arm, and Pickup Lock Arm.
- 4. While releasing from the hook of the Inner Holder, lift the end of the Feed Screw.

Caution: When assembling, move the Planet Gear to the load/eject position before setting the Feed Screw in the Inner Holder.

Assemble the sub unit side of the Pickup, taking the plate (Chassis) in-between. When treating the leads of the Load Carriage Motor Assy, do not make them loose over the Feed Screw.



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8. EACH SETTING AND ADJUSTMENT

8.1 CD ADJUSTMENT

1) Cautions on adjustments

- In this product the single voltage (3.3 V) is used for the regulator. The reference voltage is the REFO1 (1.65 V) instead of the GND.
- If you should mistakenly short the REFO1 with the GND during adjustment, accurate voltage will not be obtained, and the servo's misoperation will apply excessive shock to the pickup. To avoid such problems:
- a. Do not mix up the REFO1 with the GND when connecting the (-) probe of measuring instruments. Especially on an oscilloscope, avoid connecting the (-) probe for CH1 to the GND.
- b. In many cases, measuring instruments have the same potential as that for the (-) probe. Be sure to set the measuring instruments to the floating state.
- c. If you have mistakenly connected the REFO1 to the GND, turn off the regulator or the power immediately.
- Before mounting and removing filters or leads for adjustment, be sure to turn off the regulator.
- For stable circuit operation, keep the mechanism operating for about one minute or more after the regulator is turned on.
- In the test mode, any software protections will not work. Avoid applying any mechanical or electrical shock to the mechanism during adjustment.
- The RFI and RFO signals with a wide frequency range are easy to oscillate. When observing the signals, insert a resistor of 1k ohms in series.
- The load and eject operation is not guarantied with the mechanism upside down. If the mechanism is blocked due to mistaken eject operation, reset the product or turn off and on the ACC to restore it.

2) Test mode

This mode is used to adjust the CD mechanism module.

• To enter the test mode.

While pressing the 4 and 6 keys at the same time, reset.

• To exit from the test mode.

Turn off the ACC and back up.

Notes:

- a. During ejection, do not press any other keys than the EJECT key until the loaded disc is ejected.
- b. If you have pressed the (->) key or (<-) key during focus search, turn off the power immediately to protect the actuator from damage caused by the lens stuck.
- c. For the TR jump modes except 100TR, the track jump operation will continue even if the key is released.
- d. For the CRG move and 100TR jump modes, the tracking loop will be closed at the same time when the key is released.
- e. When the power is turned off and on, the jump mode is reset to the singleTR (91), the RF amp gain is set to 0 dB, and the auto-adjustment values are reset to the default settings.

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8.2 CHECKING THE GRATING AFTER CHANGING THE PICKUP UNIT



• Note:

The grating angle of the PU unit cannot be adjusted after the PU unit is changed. The PU unit in the CD mechanism module is adjusted on the production line to match the CD mechanism module and is thus the best adjusted PU unit for the CD mechanism module. Changing the PU unit is thus best considered as a last resort. However, if the PU unit must be changed, the grating should be checked using the procedure below.

• Purpose:

To check that the grating is within an acceptable range when the PU unit is changed.

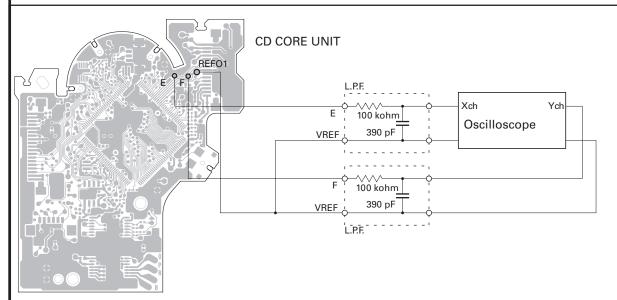
• Symptoms of Mal-adjustment :

If the grating is off by a large amount symptoms such as being unable to close tracking, being unable to perform track search operations, or taking a long time for track searching.

• Method:

- Measuring Equipment
- Measuring Points
- Disc
- Mode

- Oscilloscope, Two L.P.F.
- E, F, REFO1
- TCD-782
- TEST MODE



• Checking Procedure

- 1. In test mode, load the disc and switch the 3 V regulator on.
- 2. Using the -> and <- buttons, move the PU unit to the innermost track.
- 3. Press key 3 to close focus, the display should read "91". Press key 2 to implement the tracking balance adjustment the display should now read "81". Press key 3. The display will change, returning to "81" on the fourth press.
- 4. As shown in the diagram above, monitor the LPF outputs using the oscilloscope and check that the phase difference is within 75 degrees. Refer to the photographs supplied to determine the phase angle.
- 5. If the phase difference is determined to be greater than 75 degrees try changing the PU unit to see if there is any improvement. If, after trying this a number of times, the grating angle does not become less than 75 degrees then the mechanism should be judged to be at fault.

Note

Because of eccentricity in the disc and a slight misalignment of the clamping center the grating waveform may be seen to "wobble" (the phase difference changes as the disc rotates). The angle specified above indicates the average angle.

• Hint

Reloading the disc changes the clamp position and may decrease the "wobble".

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Grating waveform

Ech -> Xch 20 mV/div, AC Fch -> Ych 20 mV/div, AC

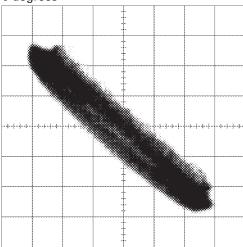
0 degrees

Α

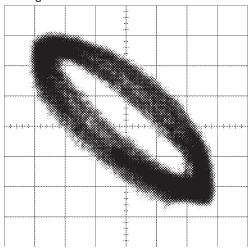
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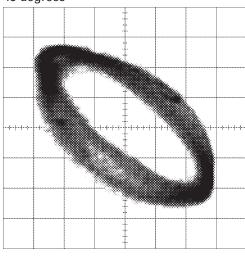
D



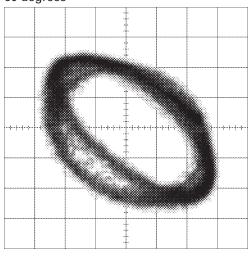
30 degrees



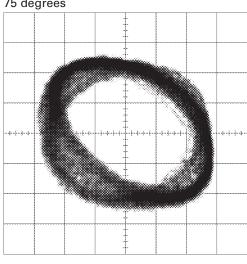
45 degrees



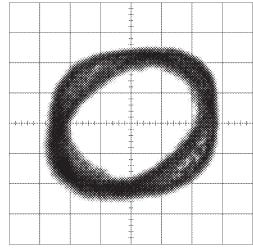
60 degrees



75 degrees



90 degrees



8.3 PCL OUTPUT CONFIRMATION



PCL Output

In the normal operation mode (with the detachable panel installed, the ACC switched ON, the standby mode cancelled), shift the TESTIN IC601(Pin 63) terminal to H.

The clock signal is output from the PCL terminal IC601(Pin 39).

The frequency of the clock signal is 468 750 Hz that is one 32th of the fundamental frequency.

The clock signal should be 468 750 Hz (- 10 Hz, + 15 Hz)

If the clock signal out of the range, the X'tal (X601) should be replaced with new one.

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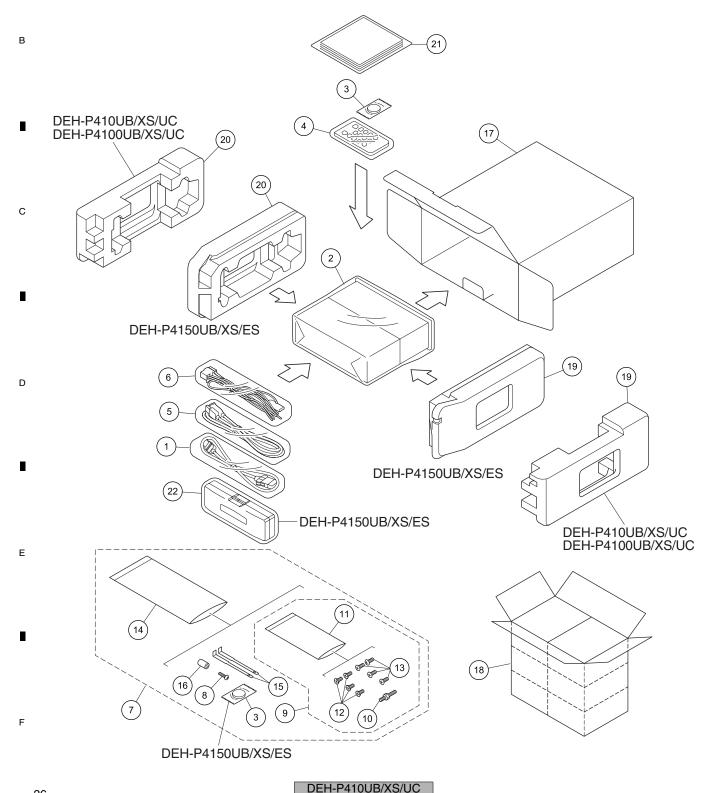
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9. EXPLODED VIEWS AND PARTS LIST

NOTES: • Parts marked by "*" are generally unavailable because they are not in our Master Spare Parts List.

- The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screw adjacent to ∇ mark on the product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

9.1 PACKING



(1) PACKING SECTION PARTS LIST

Mark I	No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
	1	Cord Assy	See Contrast table (2)	15	Handle	CND3707	
	2	Polyethylene Bag	See Contrast table (2)				Α
*	3	Battery	CEX1065	16	Bush	See Contrast table (2)	
	4	Remote Control Assy	CXC8885	17	Unit Box	See Contrast table (2)	
	5	Cord Assy	YDP5030	18	Contain Box	See Contrast table (2)	
		•		19	Protector	See Contrast table (2)	
	6	Cord Assy	See Contrast table (2)	20	Protector	See Contrast table (2)	_
	7	Accessory Assy	See Contrast table (2)				
	8	Screw	See Contrast table (2)	21-1	Caution Card	CRP1387	
	9	Screw Assy	See Contrast table (2)	* 21-2	Warranty Card	See Contrast table (2)	
	10	Screw	See Contrast table (2)	21-3	Installation Manual	See Contrast table (2)	
				21-4	Owner's Manual	See Contrast table (2)	
*	11	Polyethylene Bag	CEG-127	21-5	Caution Card	See Contrast table (2)	В
	12	Screw	CRZ50P090FTC				
	13	Screw	TRZ50P080FTC	22	Case Assy	See Contrast table (2)	
	14	Polyethylene Bag	CEG1160				

(2) CONTRAST TABLE

DEH-P410UB/XS/UC, DEH-P4100UB/XS/UC and DEH-P4150UB/XS/ES are constructed the same except for the following:

Mark	No.	Description	DEH-P410UB/XS/UC	DEH-P4100UB/XS/UC	DEH-P4150UB/XS/ES
	1	Cord Assy	CDP1220	Not used	Not used
	2	Polyethylene Bag	CEG1173	CEG1173	CEG-162
	6	Cord Assy	YDP5024	YDP5024	YDP5018
	7	Accessory Assy	*YEA5071	*YEA5071	CEA9954
	8	Screw	BPZ20P060FTC	BPZ20P060FTC	Not used
	9	Screw Assy	YEA5072	YEA5072	CEA3849
	10	Screw	Not used	Not used	CBA1650
	16	Bush	Not used	Not used	CNV3930
	17	Unit Box	YHG5484	YHG5483	YHG5485
	18	Contain Box	YHL5484	YHL5483	YHL5485
	19	Protector	YHP5052	YHP5052	YHP5050
	20	Protector	YHP5053	YHP5053	YHP5051
*	21-2	Warranty Card	CRY1280	CRY1276	Not used
	21-3	Installation Manual	YRD5263	YRD5262	YRD5264
	21-4	Owner's Manual	YRD5266	YRD5265	YRD5267
	21-5	Caution Card	Not used	CRP1386	Not used
	22	Case Assy	Not used	Not used	YXB5009

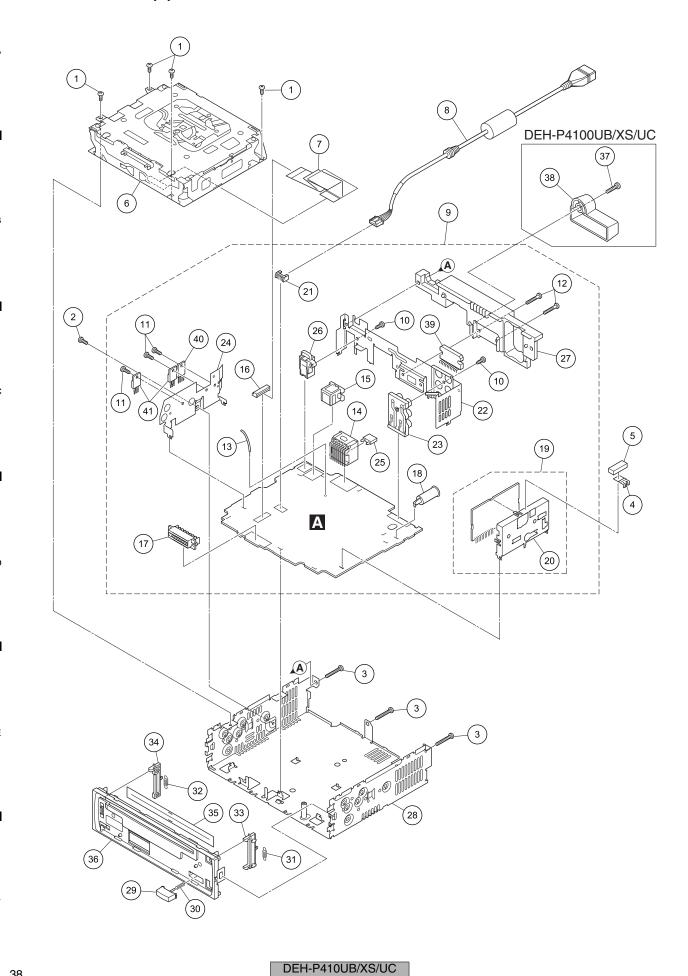
Owner's Manual, Installation Manual

Part No.	Language
YRD5262	English, French, Spanish(Espanol)
YRD5263	English, French, Spanish(Espanol)
YRD5264	English, Arabic
YRD5265	English, French, Spanish(Espanol)
YRD5266	English, French, Spanish(Espanol)
YRD5267	English, Arabic

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9.2 EXTERIOR (1)



(1) EXTERIOR (1) SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	Screw	BSZ26P060FTC	22	Holder	QNC3001	
2	Screw	BSZ30P060FTC	23	Pin Jack(CN351)	XKB7001	Α
3	Screw	BSZ30P200FTC	24	Holder	XNC7030	,,
4	Earth Plate	CNC8915	<u> </u>	Fuse(10 A)	YEK5001	
5	Cushion	CNM8890				
			26	Jack(CN621)	YKS5002	
6	CD Mechanism Module(S10.5)	CXK5774	27	Heat Sink	YNR5128	_
7	Cable	YDE5030	28	Chassis Unit	YXA5634	
8	Cord Assy	YDE5047	29	Button	CAC4836	
9	Tuner Amp Assy	See Contrast table (2)	30	Spring	CBH2367	
10	Screw	BPZ26P080FTC				
			31	SpringÅiSilver)	CBH2961	
11	Screw	BSZ26P060FTC	32	SpringÅiBlack)	CBH2962	В
12	Screw	BSZ26P200FTC	33	Arm	CNV9311	
13	Clamper	CEF1050	34	Arm	CNV9312	
14	Plug(CN901)	CKM1376	35	Cover	YNN5016	
15	Connector(CN101)	CKS3408				
			36	Panel	YNS5480	
16	Connector(CN701)	CKS3833	37	Screw	See Contrast table (2)	-
17	Connector(CN803)	CKS5664	38	Holder	See Contrast table (2)	
18	Antenna Jack(CN401)	CKX1070	39	IC(IC301)	PAL007C	
19	FM/AM Tuner Unit(Y401)	CWE2098	40	IC(IC921)	NJM2388F84	
20	Holder	CND4324				
			41	Transistor(Q702, Q911)	2SD2396	С
21	Plug(CN251)	KM200NA5L				

(2) CONTRAST TABLEDEH-P410UB/XS/UC, DEH-P4100UB/XS/UC and DEH-P4150UB/XS/ES are constructed the same except for the following:

Mark	No.	Description	DEH-P410UB/XS/UC	DEH-P4100UB/XS/UC	DEH-P4150UB/XS/ES
	9	Tuner Amp Assy	YWM5394	YWM5392	YWM5396
	37	Screw	Not used	BMZ40P140FTC	Not used
	38	Holder	Not used	CNV7619	Not used

DEH-P410UB/XS/UC

9.3 EXTERIOR (2) 2 B (28) (21) (17) 27) 6 DEH-P410UB/XS/UC

(1) EXTERIOR (2) SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	Holder	CND3598				
2	Remote Control Assy	CXC8885	16	Connector(CN1803)	CKS5865	Α
3	Cover	CNS7068	17	OLED	MXS8250	
4	Cord Assy	See Contrast table (2)	18	Jack(CN1802)	YKN5006	
5	Case	YNB5014	19	Holder	YNC5063	
			20	Cushion	YNM5029	
6	Panel	YNS5517				_
7	Detach Assy	See Contrast table (2)	21	Holder Unit	YXA5566	
8	Screw	BPZ20P100FTB	22	Grille Unit	See Contrast table (2)	
9	Spring	CBH2210	23	Button Unit(S.Rtrv, SW, iPod, LOC)	See Contrast table (2)	
10	Button(DETACH)	YAC5366	24	Knob Unit	See Contrast table (2)	
			25	Spring	YBL5013	
11	Button(EJECT)	YAC5367				В
12	Button(CLOCK)	YAC5368	26	Button Unit(SRC, BAND)	YXA5567	
13	Cover	YNS5459	27	Button Unit(LIST, DISP)	YXA5568	
14	Holder	YNV5180	28	Remote IC(IC1801)	GP1UXC14RK	
15	Connector(CN1801)	CKS5663				

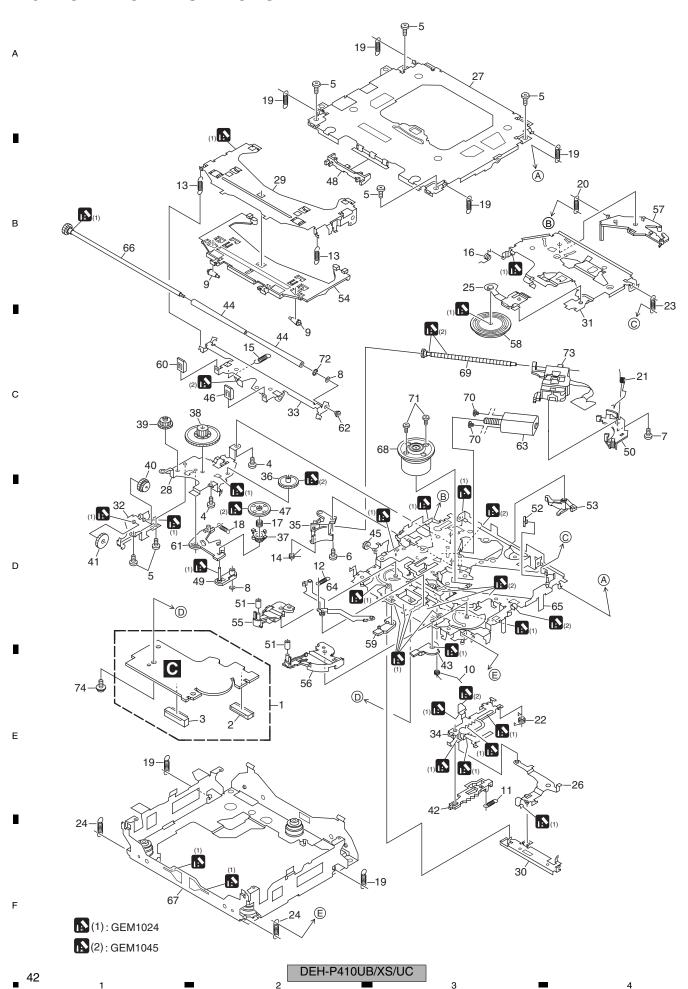
(2) CONTRAST TABLEDEH-P410UB/XS/UC, DEH-P4100UB/XS/UC and DEH-P4150UB/XS/ES are constructed the same except for the following:

Mark	No.	Description	DEH-P410UB/XS/UC	DEH-P4100UB/XS/UC	DEH-P4150UB/XS/ES
	4	Cord Assy	YDP5024	YDP5024	YDP5018
	7	Detach Assy	YXA5581	YXA5580	YXA5583
	22	Grille Unit	YXA5519	YXA5518	YXA5520
	23	Button Unit	YXA5521	YXA5521	YXA5570
	24	Knob Unit	YXA5522	YXA5523	YXA5523

DEH-P410UB/XS/UC

С

9.4 CD MECHANISM MODULE



CD MECHANISM MODIJI E SECTION PARTS LIST

CD MEC	HANISM MODULE SE	CTION PARTS LIST				
Mark No.	Description	Part No.	Mark No.	<u>Description</u>	Part No.	
1	CD Core Unit(S10.5 iPod-C	ode2 Class4) CWX3712	50	Rack	CNV8342	
2	Connector(CN101)	CKS4911				
3	Connector(CN701)	CKS4915	51	Roller	CNV8343	
4	Screw	BMZ20P025FTC	52	Holder	CNV8344	
5	Screw	BSZ20P040FTC	53	Arm	CNV8345	
			54	Guide	CNV9498	
6	Screw(M2 x 3)	CBA1511	55	Arm	CNV8348	
7	Screw(M2 x 4)	CBA1835				
8	Washer	CBF1038	56	Arm	CNV8349	
9	Roller	CNV9499	57	Arm	CNV8350	
10	Spring	CBH2609	58	Clamper	CNV8365	
			59	Arm	CNV8386	
11	Spring	CBH2612	60	Guide	CNV8396	
12	Spring	CBH2614				
13	Spring	CBH2616	61	Arm	CNV9521	
14	Spring	CBH2617	62	Collar	CNV8447	
15	Spring	CBH2620	63	Motor Unit(M2)	CXC4026	
			64	Arm Unit	CXC4027	
16	Spring	CBH2855	65	Chassis Unit	CXC4028	
17	Spring	CBH2937				
18	Spring	CBH2735	66	Gear Unit	CXC4029	
19	Spring	CBH2854	67	Frame Unit	CXC4031	
20	Spring	CBH2642	68	Motor Unit(M1)	CXC7134	
			69	Screw Unit	CXC6359	
21	Spring	CBH2856	70	Screw	JFZ20P025FTC	
22	Spring	CBH2857				
23	Spring	CBH2860	71	Screw	JGZ17P022FTC	
24	Spring	CBH2861	72	Washer	YE20FTC	
25	Spring	CBL1686	73	Pickup Unit(P10.5)(Service)	CXX1942	
			74	Screw	IMS26P030FTC	
26	Arm	CND1909				
27	Frame	CND2582				
28	Bracket	CND2583				
29	Arm	CND3831				
30	Lever	CND2585				
		ONDOSO				
31	Arm	CND2586				
32	Bracket	CND2587				
33	Arm	CND2588				
34	Lever	CND2589				
35	Holder	CNV9522				
36	Gear	CNV7207				
37	Gear	CNV9513				
38	Gear	CNV7209				
39	Gear	CNV9514				
40	Gear	CNV9515				
10	Cour	0.110010				
41	Gear	CNV9516				
42	Rack	CNV9517				
43	Arm	CNV7216				
44	Roller	CNV8189				
45	Gear	CNV9518				
46	Guide	CNV9519				
47	Gear	CNV7595				
48	Guide	CNV9520				
49	Arm	CNV7805				

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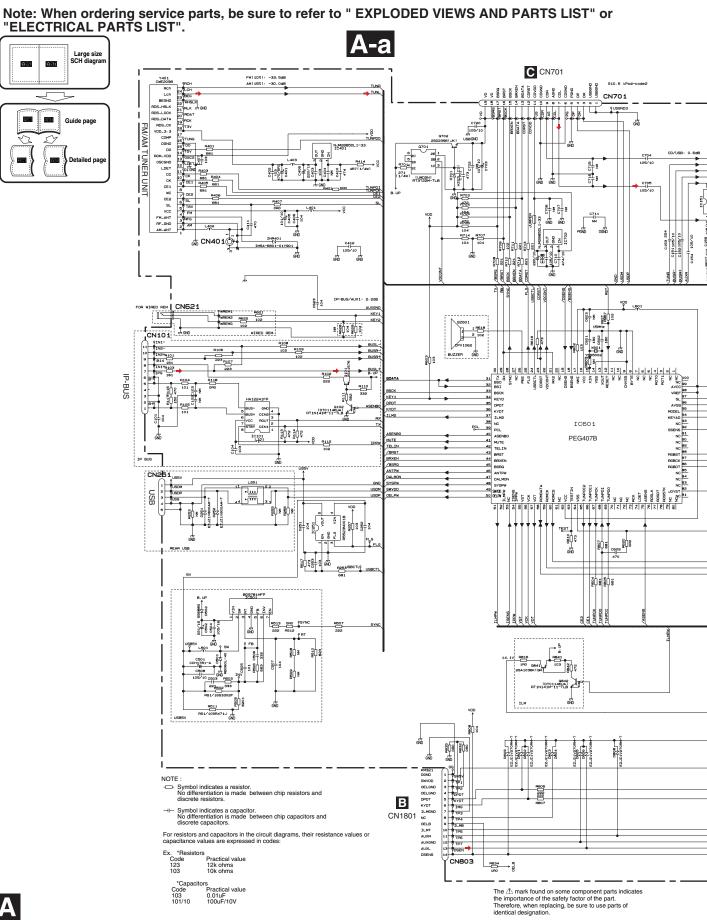
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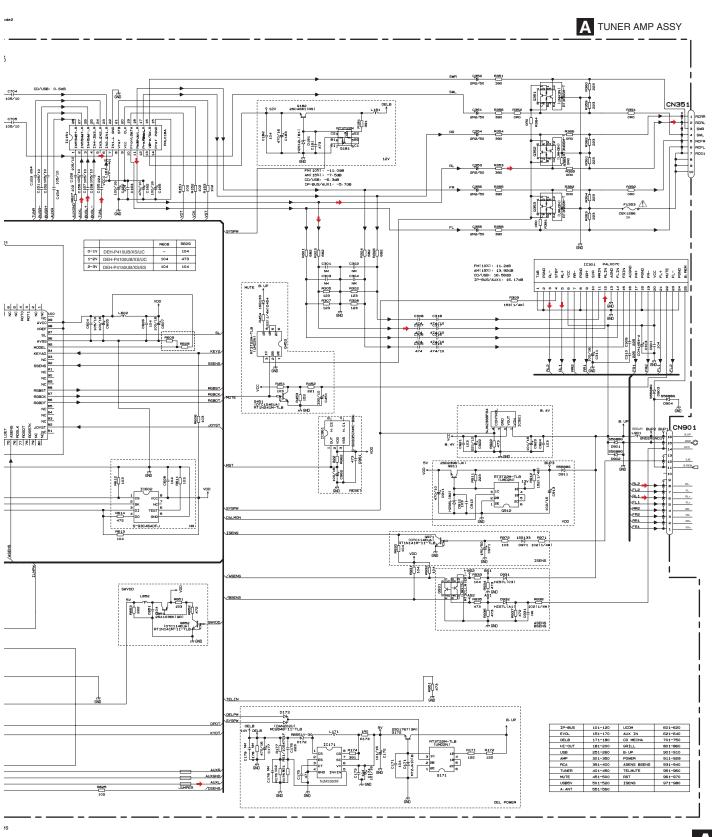
DEH-P410UB/XS/UC 7 8

10. SCHEMATIC DIAGRAM 10.1 TUNER AMP ASSY(GUIDE PAGE)



DEH-P410UB/XS/UC

A-b

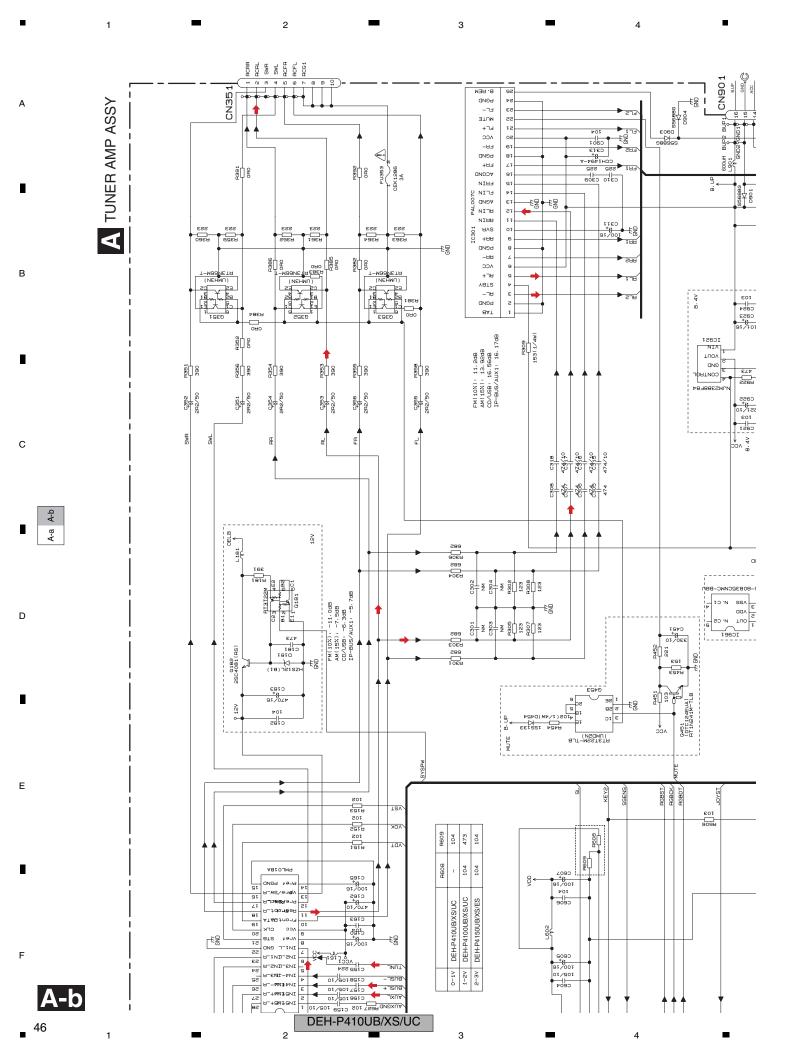


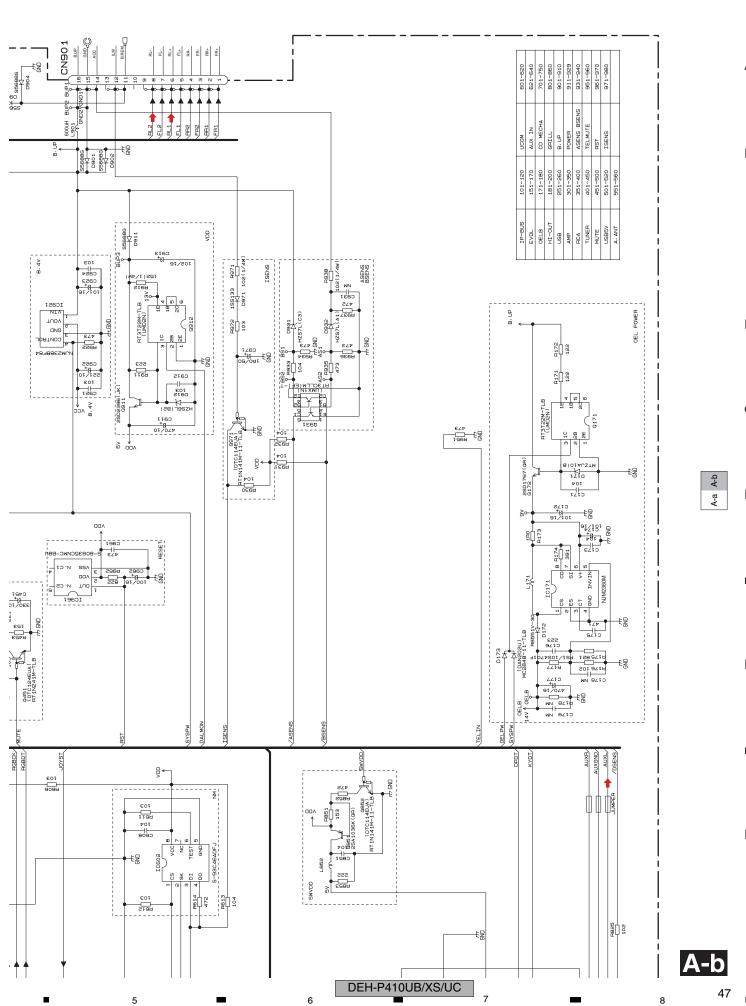
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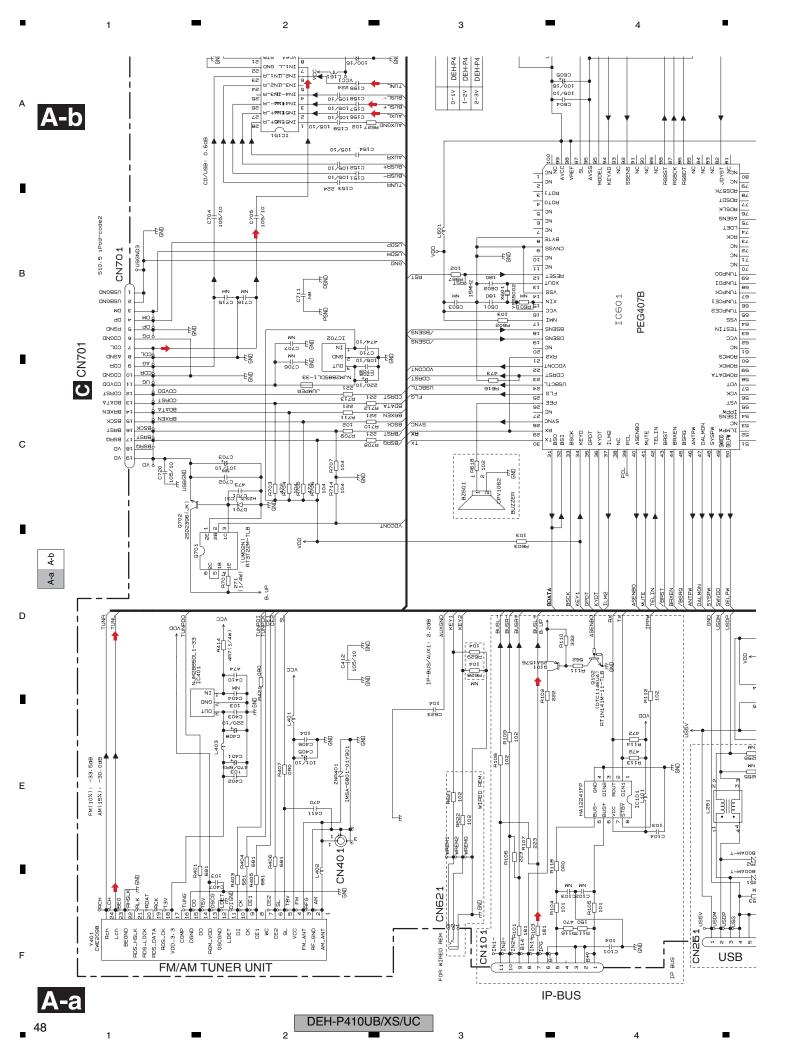
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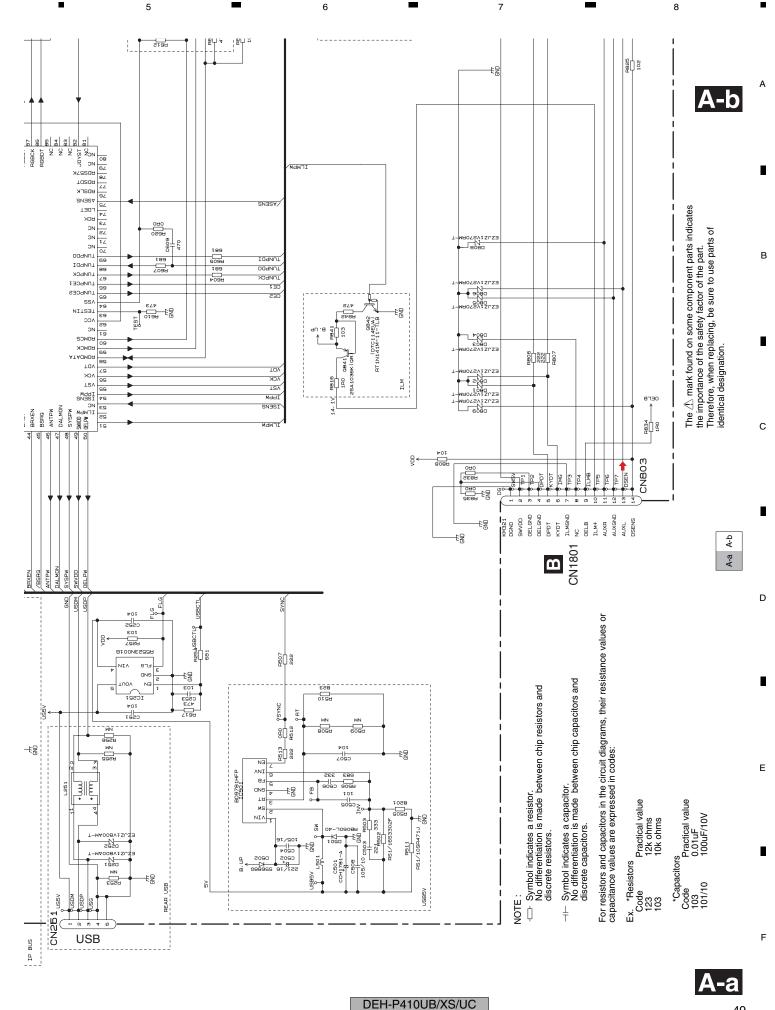




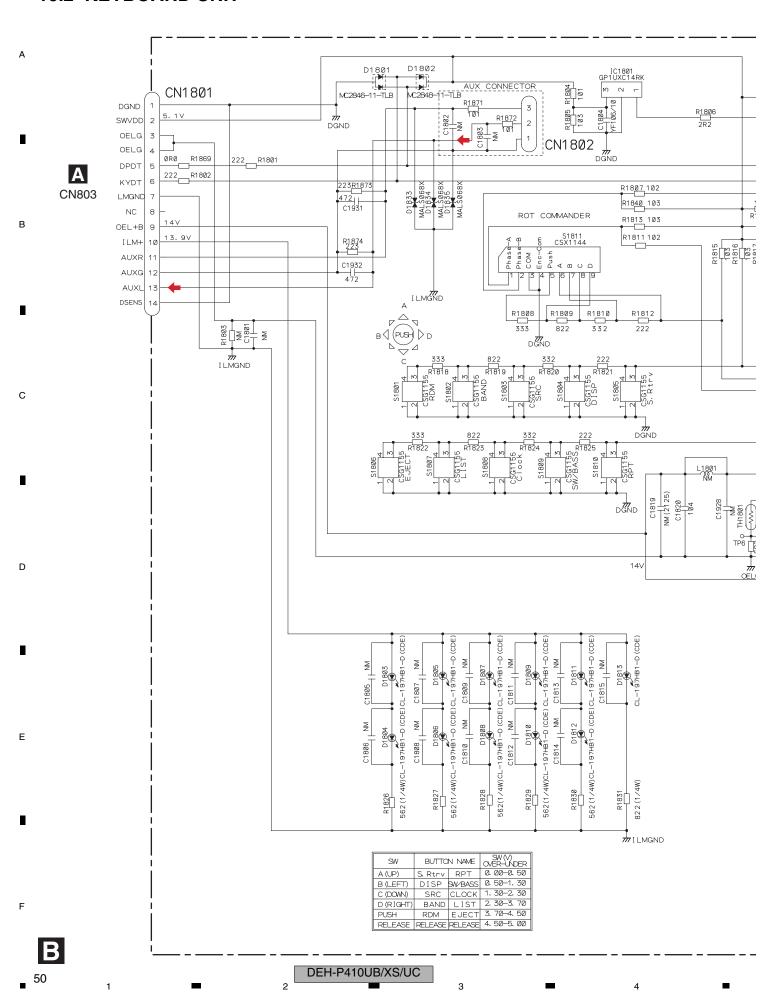
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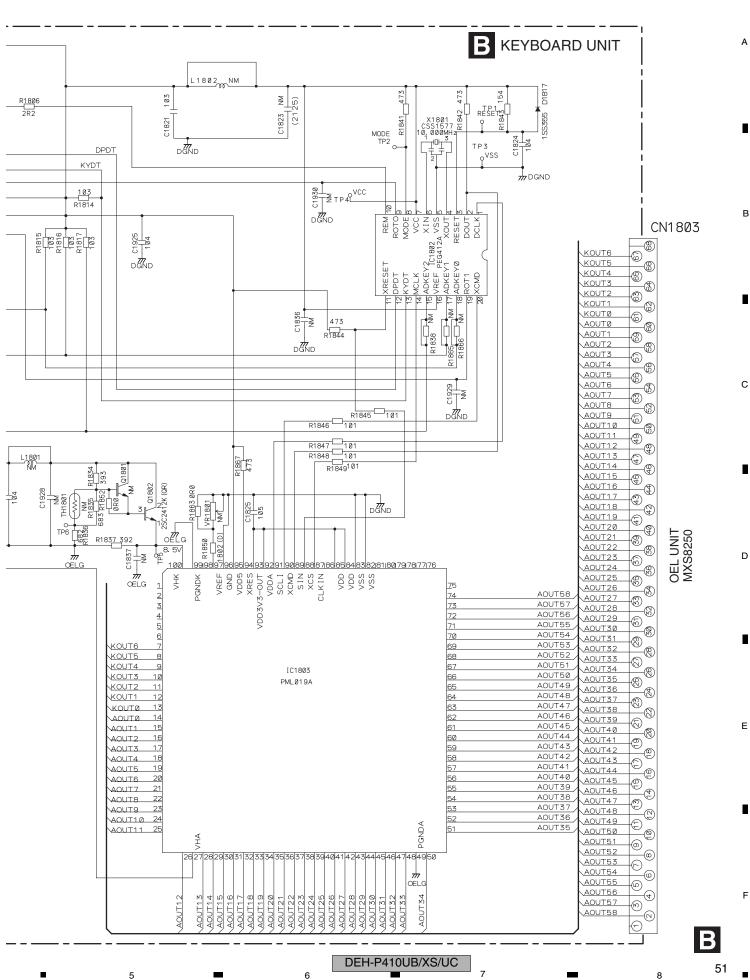
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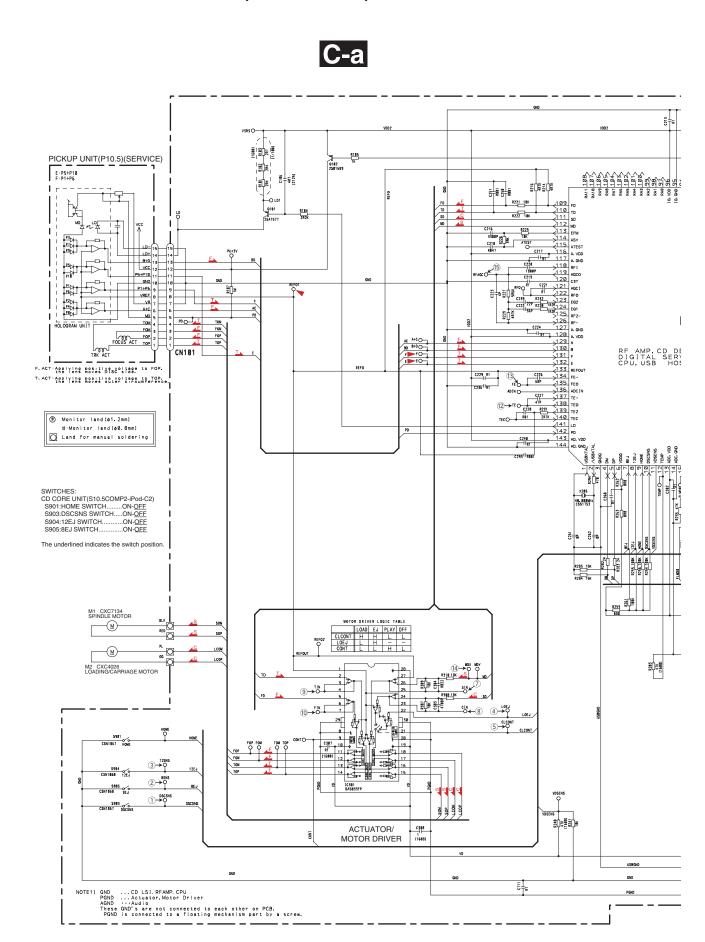


10.2 KEYBOARD UNIT





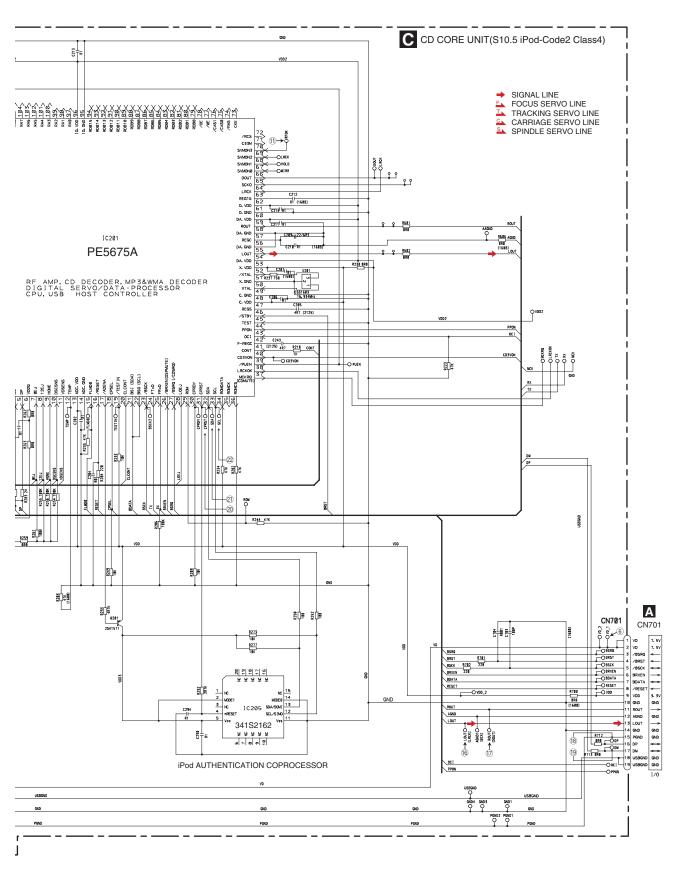
10.3 CD MECHANISM MODULE(GUIDE PAGE)



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DEH-P410UB/XS/UC

C-b



C

DEH-P410UB/XS/UC

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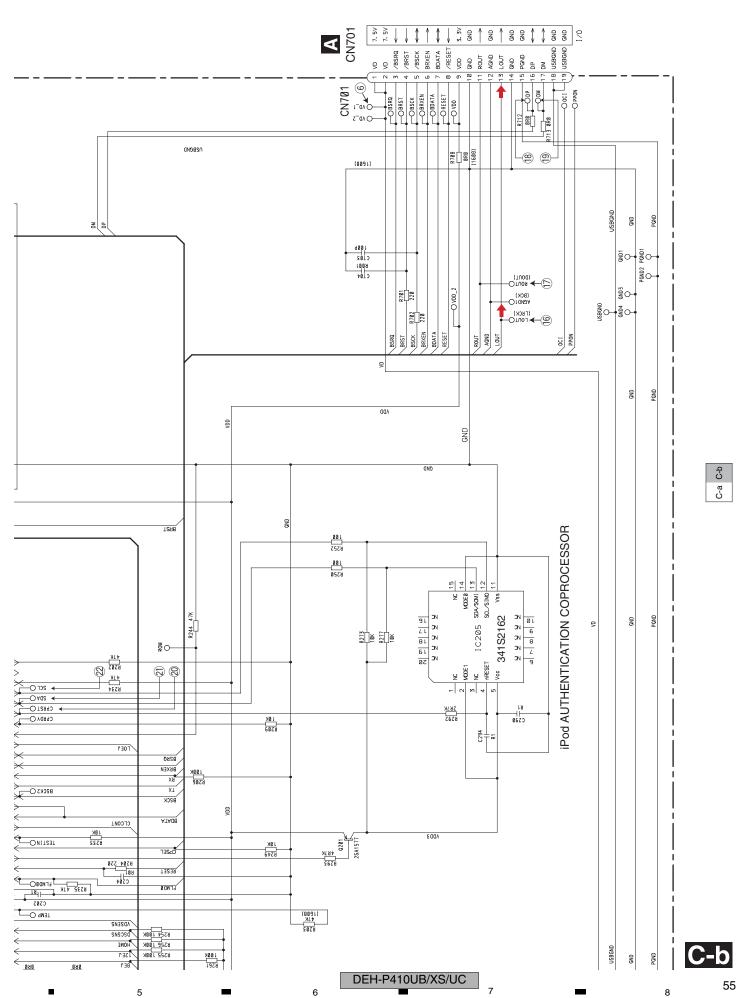
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CD CORE UNIT(S10.5 iPod-Code2 Class4) TRACKING SERVO LINE CARRIAGE SERVO LINE SPINDLE SERVO LINE FOCUS SERVO LINE -O WCK О вх XI O-SIGNAL LINE -Огыскок Q VDD2 Омскво ă ĭ REGE AGND BRG (1688) CD3VON P P 0 1 11111 O AGN 47K VDD2 BE BE 1 1 1 1 1 1 1 1 1 1 0-TUOG O-R230 0R0 o-b O PUEN SWANNA S ON THE STATE OF THE ST GN9 VDD2 95 8 KOWCK 55 0SY3/ ROMDATA 75 55 75 → 2CF O-VCAS1 CCL -O∀OS ← AGS F AMP, CD DECODER, MP3&WMA DECODER 1G1TAL SERVO/DATA·PROCESSOR PU, USB HOST CONTROLLER CPRST ○ CPRST ськол О-СЬКОЛ ROM гоел NBSRQ (VCDSRQ) /BRXEN (DSPMUTE) FR×D FT×D <u>À38</u> √80я \B2CK X 8809 B20 (2CF) PE5675A ×88 eags (ADA) [28 ×68 01809 СГСОИТ 10K 02 26 21809 29 21809 20 21809 20 21809 20 21809 20 21809 20 21809 <u>6 î (t</u> VIESTIN IC201 TESTINO-ChREL 81 \ADENA \RESET 91 FLMD8O 1 5 FLMD8 10. GND 95 C282 1 3 ADC. VDD C213 1 3 ADC. VDD TEMP TEMP O 12 **NDSENS** DZCZNZ 01 < 101 PAR SAS 102> 888 DEH-P410UB/XS/UC 3

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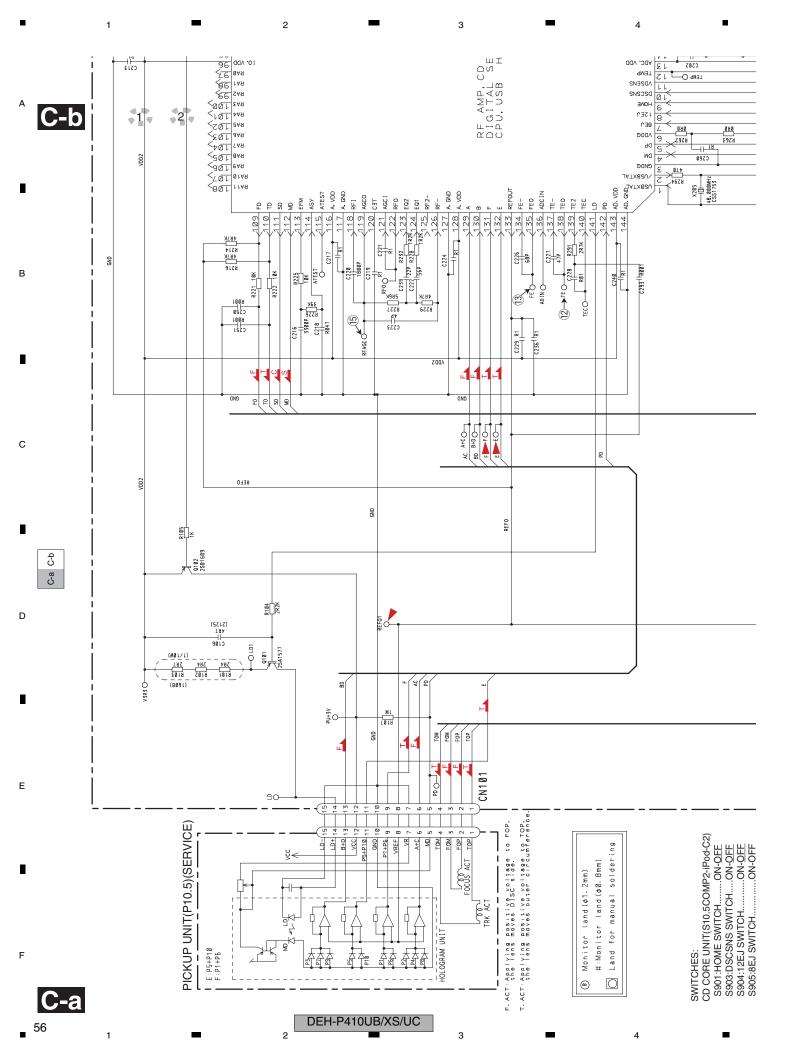


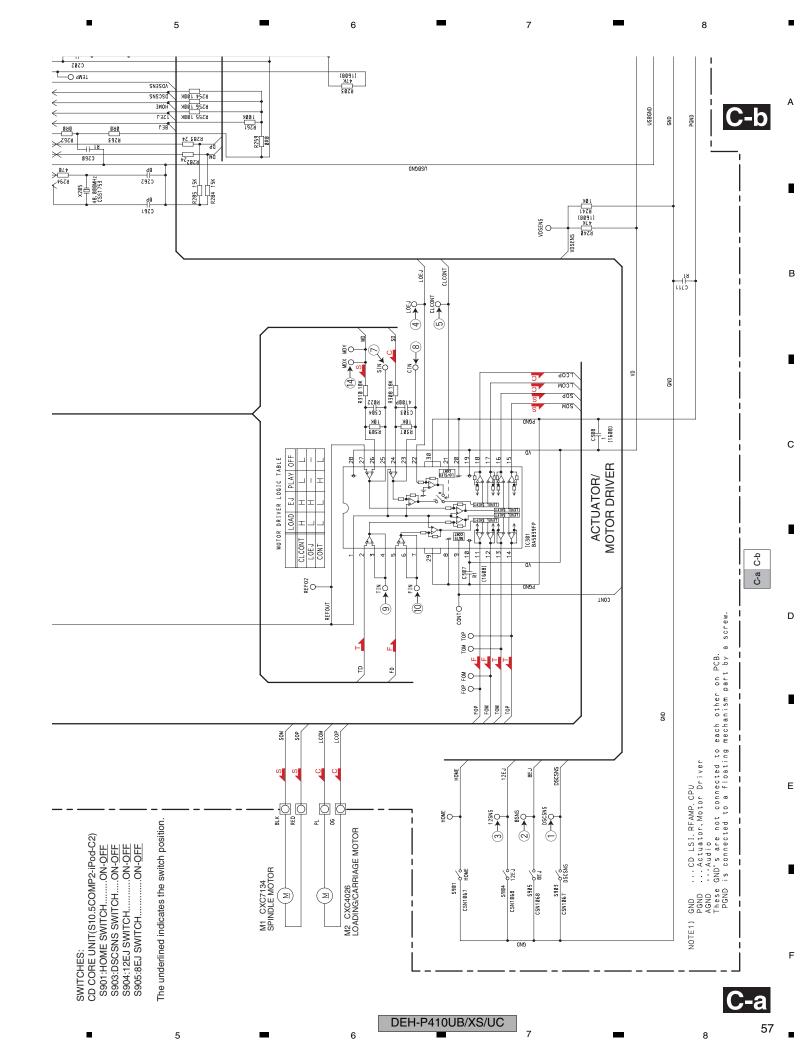
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10.4 WAVEFORMS

В

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CD CORE UNIT Note: 1. The encircled numbers denote measuring points in the circuit diagram. 2. Reference voltage REFO1(1.65 V) ①DSCSNS 500 ms/div ①DSCSNS 5 V/div 500 ms/div ①DSCSNS 500 ms/div 5 V/div 5 V/div **28SNS** 5 V/div **⑤CLCONT** 5 V/div **28SNS** 5 V/div **312SNS** 5 V/div **4LOEJ** 5 V/div **312SNS** 5 V/div **4**LOEJ 5 V/div ₆VD 10 V/div **4LOEJ** 5 V/div 12 cm CD Loading operation 12 cm CD Loading operation 8 cm CD Loading operation Ref.: Ref.: Ref.: GND GND GND Mode: Mode: Mode: Normal Normal Normal (7)SIN 1 V/div 10FIN 200 mV/div 500 ms/div (12)TE 500 mV/div 200 ms/div 1 s/div ®CIN 500 mV/div 11 RFOK(MONI_3) 2 V/div (13) FE 500 mV/div 9TIN 1 V/div **7SIN** 2 V/div 12 cm CD-DA Source On setup operation 12 cm CD-DA setup operation after loading Source On setup operation Ref.: Ref.: Ref.: REFO **REFO** REFO Mode: Mode: Mode: Normal Normal Normal 13FE 500 mV/div 20 ms/div **MDX** 2 V/div 200 ms/div **MDX** 2 V/div 5 µs/div **10FIN** 500 mV/div **7SIN** 500 mV/div **⑦SIN** 500 mV/div 500 mV/div **12TE** 500 mV/div 9TIN CD-DA Play operation Spindle waveform during play operation Spindle waveform during play operation (Wider) Ref.: Ref.: Ref.: REFO REFO **REFO** Mode: Mode: Mode: Normal Normal Normal **10FIN** 500 mV/div 2 ms/div ®RFAGC 500 mV/div 200 ms/div 12)TE 1 V/div 500 µs/div 500 mV/div **®RFAGC** 500 mV/div 500 mV/div (13) FE 12TE 9TIN 500 mV/div Focus Search waveform Track Open waveform 1 Track Jump waveform Ref.: Ref.: Ref.: REFO REFO REFO Mode: Mode: Mode: **TEST TEST TEST**

3

®RFAGC **®RFAGC ®RFAGC** 1 V/div 500 µs/div 1 V/div 500 µs/div 1 V/div 2 ms/div **12TE** 12TE 500 mV/div 500 mV/div **12TE** 500 mV/div 9TIN 500 mV/div 9TIN 500 mV/div 9TIN 500 mV/div 4 Tracks Jump waveform 10 Tracks Jump waveform 32 Tracks Jump waveform Ref.: Ref.: Ref.: REFO REFO REFO Mode: TEST Mode: Mode: TEST TEST **®RFAGC** 200 ms/div **16LOUT** 200 µs/div **①DSCSNS** 5 V/div 500 ms/div 1 V/div 1 V/div 12TE 1 V/div **®ROUT** 1 V/div **28SNS** 5 V/div ®CIN 1 V/div **312SNS** 5 V/div **7SIN** 2 V/div **4LOEJ** 5 V/div Search operation(Outter to Inner) Analog audio waveform 12 cm CD Eject operation Ref.: Ref.: Ref.: REFO AGND GND Mode: Mode: Mode: Normal Normal Normal **1)DSCSNS** 5 V/div 500 ms/div **①DSCSNS** 5 V/div 500 ms/div **®RFAGC** 1 V/div 500 µs/div **5CLCONT** 5 V/div **28SNS** 5 V/div 9TIN 1 V/div 5 V/div **312SNS 4LOEJ** 5 V/div 12)TE 1 V/div **4LOEJ** 5 V/div **10FIN** 1 V/div 8 cm CD Eject operation Black dot(800 µm) during play 12 cm CD Eject operation Ref.: Ref.: Ref.: **GND** GND **REFO** Mode: Mode: Mode: Normal Normal Normal, 2 V/div **18DP** 1 V/div 50 ns/div ®DP 2 V/div 50 ms/div **18DP** 50 ms/div 19 DM 19 DM (19) DM 1 V/div 2 V/div 2 V/div **USB Play** CD Play with USB(iPod) device connecting. USB device inserting to USB connector. CH4 2 V 50ms/div

DEH-P410UB/XS/UC

5

В

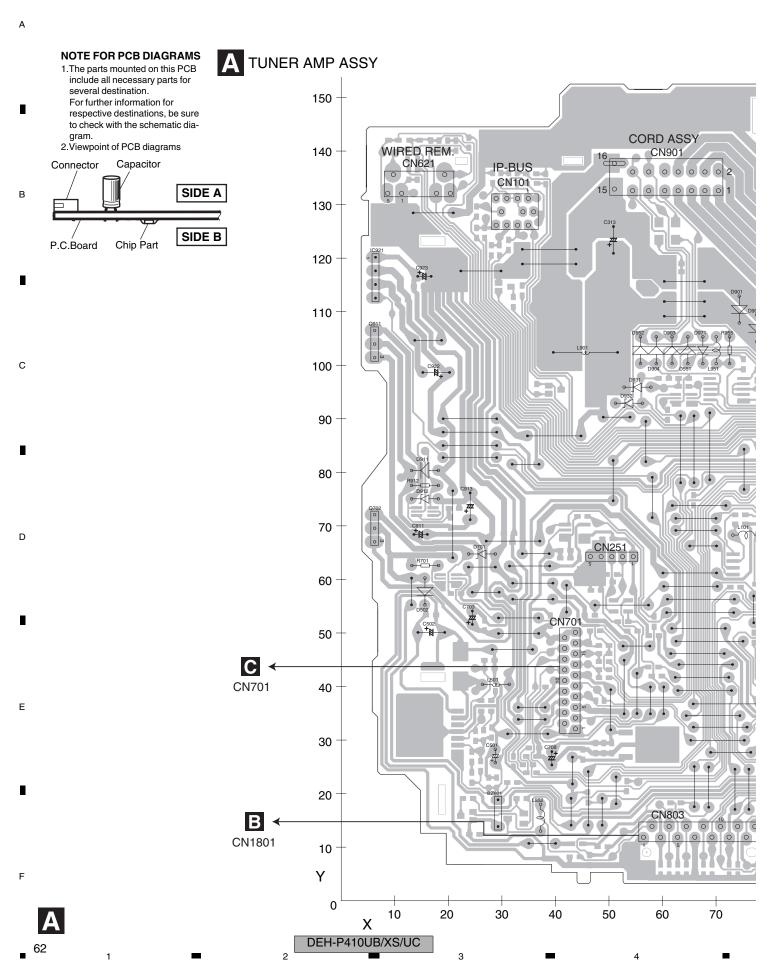
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®DP 2 V/div 50 ms/div @CPRST 2 V/div 500 ms/div (9) DM ②SDA 2 V/div 2 V/div **2**SCL 2 V/div ACC OFF with USB(iPod) device connecting. iPod Authentication Operation В С Е

11. PCB CONNECTION DIAGRAM

11.1 TUNER AMP ASSY



SIDE A SY 0002 0001 ANTENNA CN401 FM/AM TUNER UNIT **FRONT** 170 90 150 70 80 100 110 120 130 140 160

DEH-P410UB/XS/UC

А

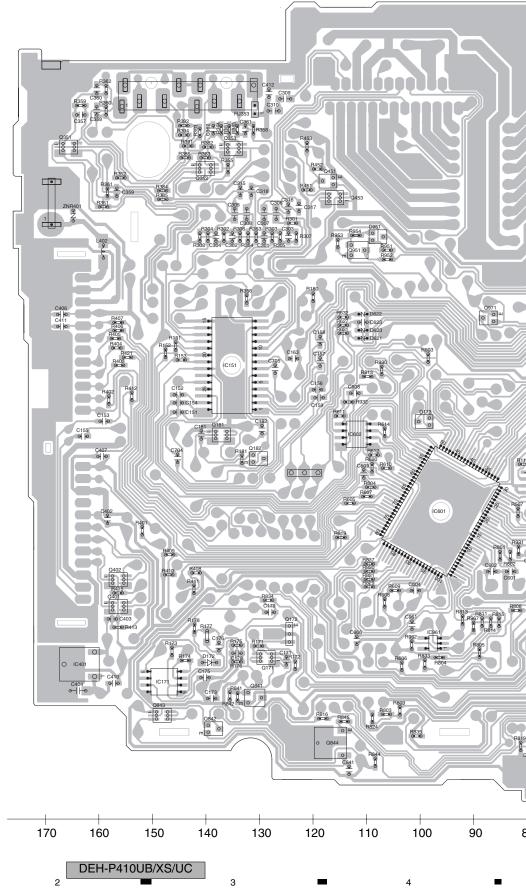
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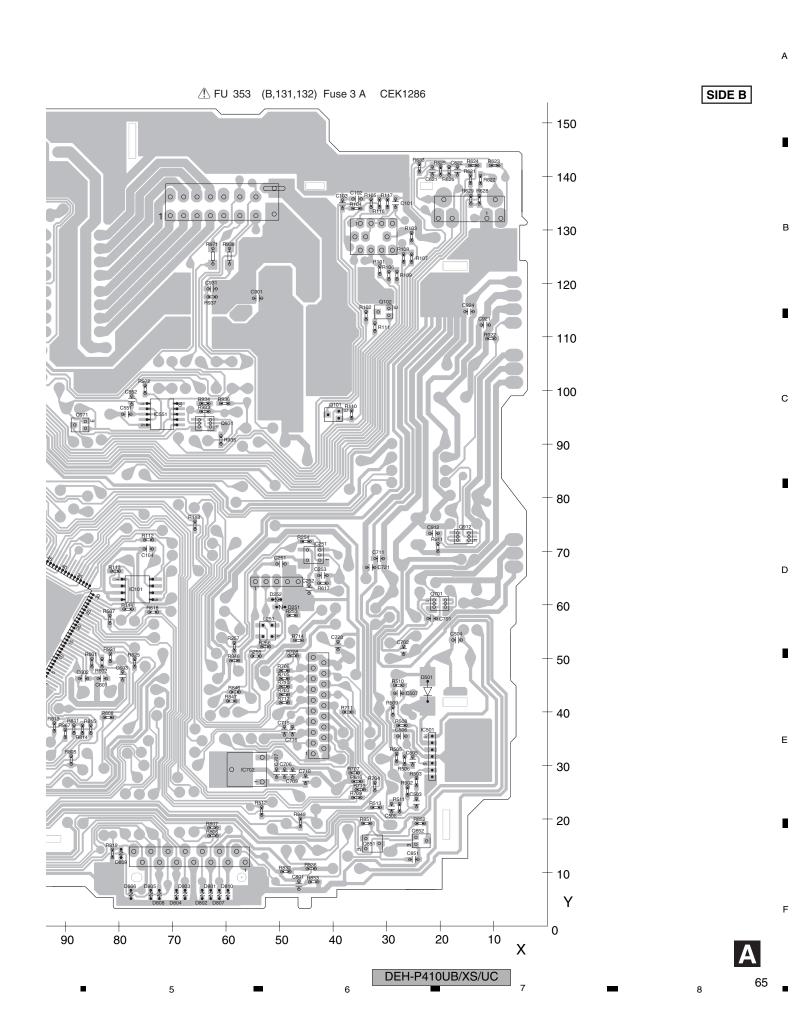
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A TUNER AMP ASSY

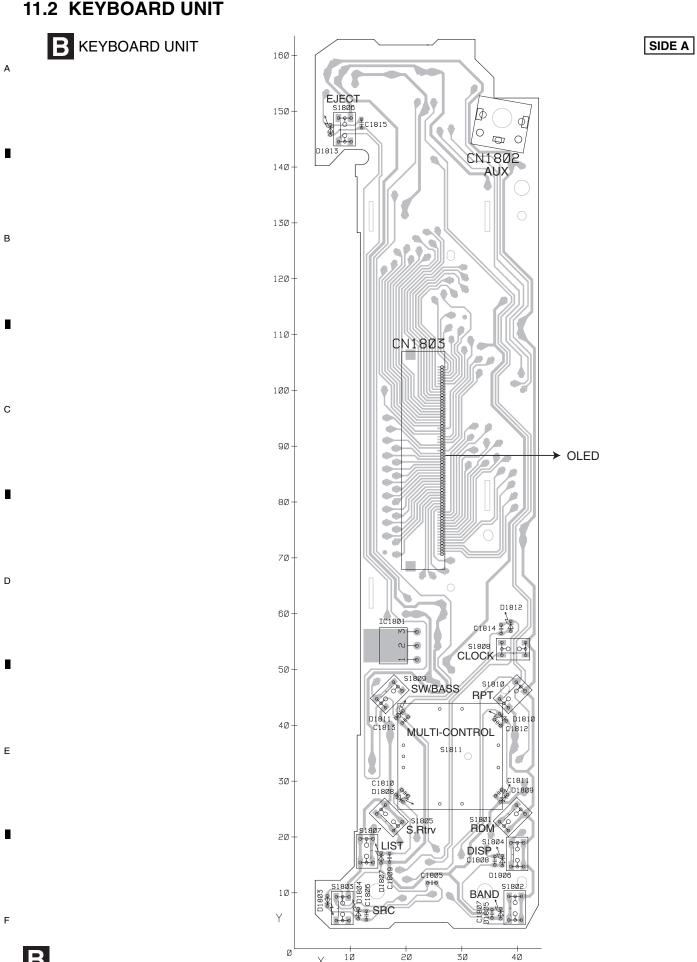


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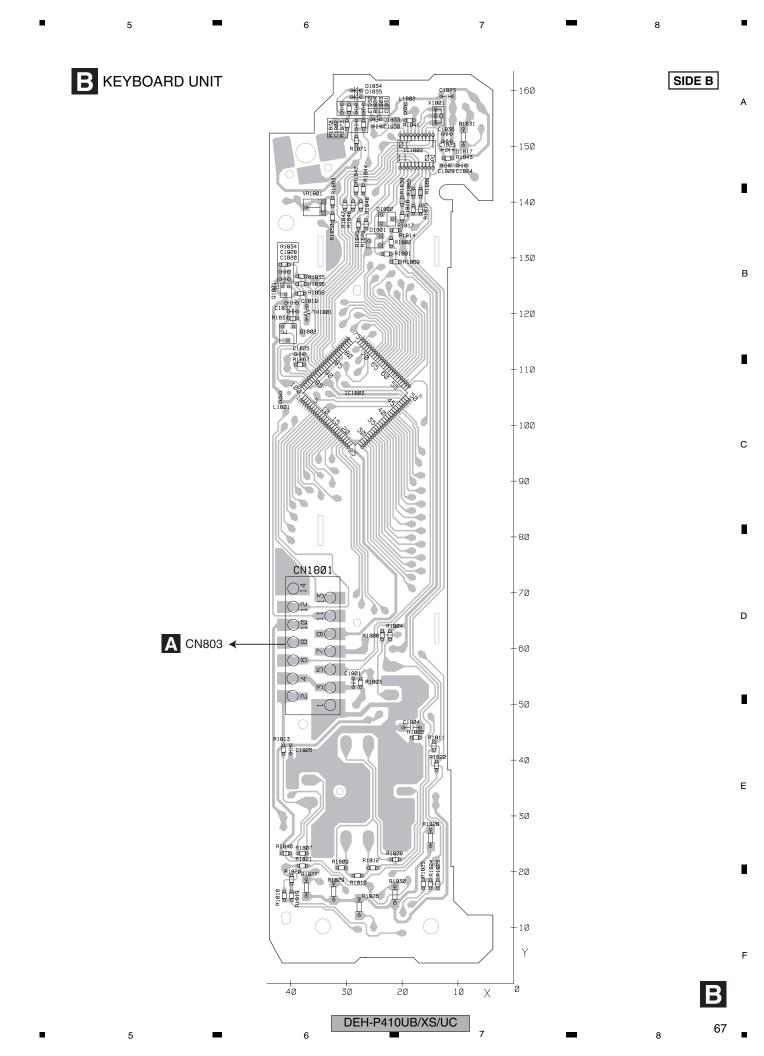


11.2 KEYBOARD UNIT

В



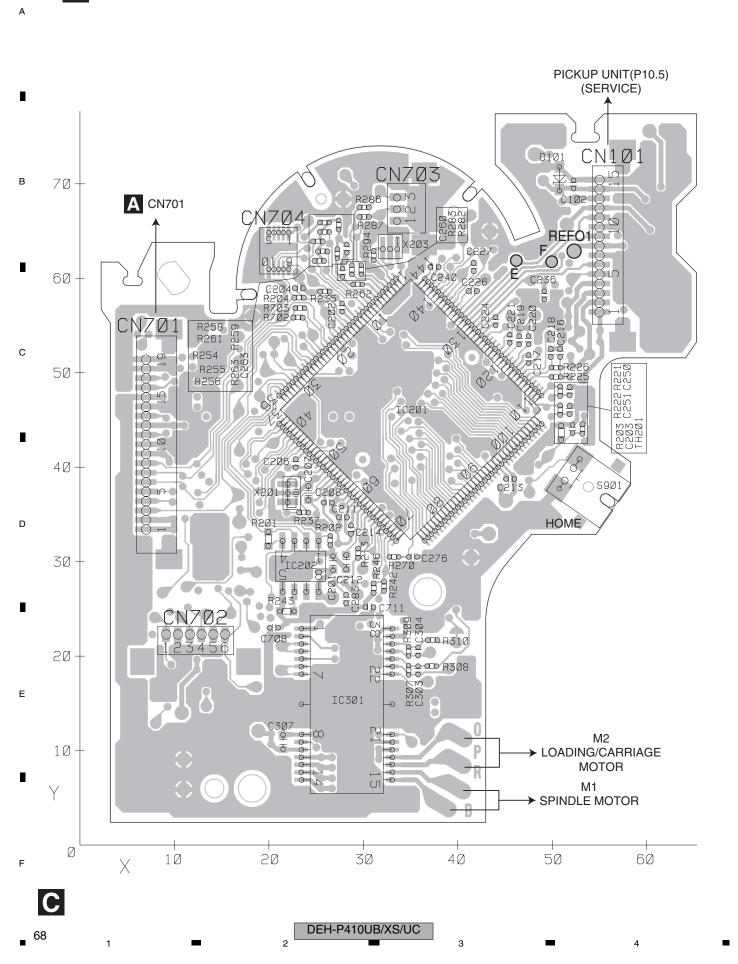
DEH-P410UB/XS/UC

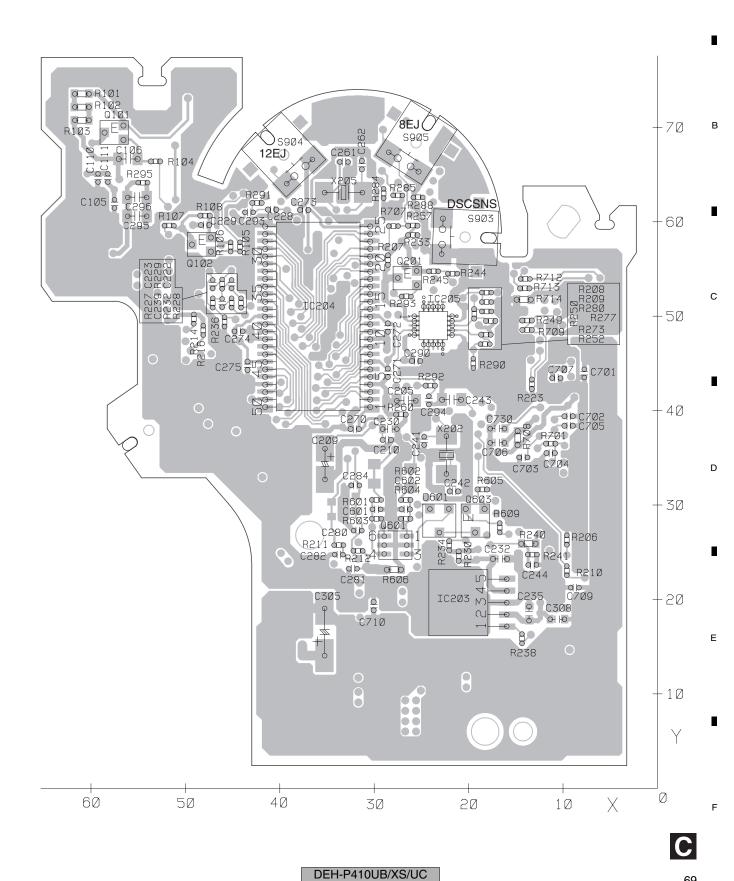


11.3 CD CORE UNIT(S10.5 iPod-Code2 Class4)

CD CORE UNIT(S10.5 iPod-Code2 Class4)

SIDE A





12. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
 - The part numbers shown below indicate chip components.

Chip Resistor

 $RS1/\bigcirc S\bigcirc\bigcirc\bigcirc J, RS1/\bigcirc\bigcirc S\bigcirc\bigcirc\bigcirc J$

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

- The A mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Meaning of the figures and others in the parentheses in the parts list.
- Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

• The expression of the unit in this manual is shown by u instead of μ . Please do not make a mistake.

		J			-	<i>3 1</i>	
	Circu	it Symbol and No.	Part No.		Cir	cuit Symbol and No.	Part No.
	Unit Num	ber: YWM5394(P410UB)		_		
		•	,		Q 181	(B,137,72) Transistor	RT3T22M
	Unit Num	ber: YWM5392(P4100UB)	Q 182 Q 351	(B,130,67) Transistor (B,166,125) Transistor	2SC4081 RT3N66M
	Unit Num	ber: YWM5396(P4150UB)	Q 352	(B,140,121) Transistor	RT3N66M
С		•		,	Q 353	(B,135,125) Transistor	RT3N66M
	Unit Nam	e : Tuner Amp	ASSY			(5)	
	Unit Num	ber: (P410UB)			Q 451 Q 453	(B,117,119) Transistor	RT1N241M RT3T22M
		,			Q 701	(B,116,116) Transistor (B,20,60) Transistor	RT3T22M
	Unit Num	ber: (P4100UB)			Q 702	(A,7,70) Transistor	2SD2396
I	Unit Num	ber: (P4150UB)			Q 841	(B,131,23) Transistor	2SA1036K
	Unit Nam	e : Keyboard l	Jnit		Q 842	(B,139,17) Transistor	RT1N141M-11
		•			Q 851	(B,33,15) Transistor	2SA1036K
	Unit Num	ber: CWX3712			Q 852	(B,24,16) Transistor	RT1N141M-11
	Unit Nam	e : CD Core Unit(S1	0.5 iPod-Code	2 Class4)	Q 911 Q 912	(A,7,104) Transistor	2SD2396
D		, , , , , , , , , , , , , , , , , , , ,		,	Q 912	(B,16,73) Transistor	RT3T22M
					Q 931	(B,64,94) Transistor	RT3CLLM
	Λ				Q 971	(B,87,94) Transistor	RT1N141M-11
	Α		_		D 171	(A,131,37) Diode	MTZJA10(B)
	Unit Num	ber: YWM5394(P410UB)		D 172 D 173	(B,139,29) Diode	RB551V-30
	Unit Num	ber: YWM5392(P4100UB)	D 173	(B,99,74) Diode	MC2848-11
-	Unit Num	ber: YWM5396(P4150UB)	D 181	(A,138,68) Diode	HZS12L(B1)
	Unit Nam	•		,	D 251	(B,50,60) Varistor	EZJZ1V800AM
	Omit Ham	c i fallel Allip	ASSY		D 252	(B,51,61) Varistor	EZJZ1V800AM
	MISCELLA	NEOUS			D 454 D 501	(A,94,105) Diode (B,22,44) Diode	1SS133 RB060L-40
		<u> </u>			D 301	(D,22,44) Diode	HB000L-40
Е		(B,77,63) IC	HA12241FP		D 502	(A,16,58) Diode	S5688G
		(B,135,85) IC	PML018A		D 701	(A,26,65) Diode	HZS7L(C3)
		(B,148,26) IC (B,44,69) IC	NJM2360M R5523N001E	3	D 801 D 802	(B,63,6) Varistor (B,64,6) Varistor	EZJZ1V270RM EZJZ1V270RM
		(A,105,139) IC	PAL007C	_	D 802	(B,68,6) Varistor	EZJZ1V270RM
						(=,==,=,	
		(B,165,29) IC	NJM2885DL		D 805	(B,74,6) Varistor	EZJZ1V270RM
		(B,16,32) Regulator IC (B,96,57) IC	BD9781HFP PEG407B		D 806	(B,78,6) Varistor	EZJZ1V270RM
		(B,58,29) IC	NJM2885DL	1-33	D 808 D 809	(B,72,6) Varistor (B,80,14) Varistor	EZJZ1V270RM EZJZ1V270RM
		(A,6,120) IC	NJM2388F8		D 901	(A,74,110) Diode	S5688G
	IC 961	(B,98,33) IC	S-80835CNN	//C-B8U	D 902	(A 79 107) Diodo	S5688G
F		(B,40,95) Transistor	2SA1576A	500	D 902 D 903	(A,78,107) Diode (A,62,103) Diode	S5688G
	Q 102	(B,31,115) Transistor	RT1N141M-	11	D 904	(A,59,103) Diode	S5688G
		(B,129,30) Transistor	RT3T22M		D 911	(A,16,80) Diode	S5688G
	Q 172	(B,126,35) Transistor	2SD1767		D 912	(A,16,75) Diode	HZS6L(B2)
	70			DEH-P410UB/	XS/UC		

	Circu	₅ ■ uit Symbol and No.	6 Part No.	-	C	7 Eircuit Symbol and No.	8 Part No.	•
				F	R 306	(B,134,109)	RS1/16S682J	
n	931	(A,55,96) Diode	HZS7L(C3)		R 307	(B,123,109)	RS1/16S123J	
	932	(A,54,93) Diode	` '		308		RS1/16S123J	
			HZS7L(A1)			(B,141,109)		
	971	(A,68,103) Diode	1SS133		309	(A,98,106)	RD1/4PU153J	Α
	IR401 101	(B,165,113) Surge Protecto (A,76,68) Inductor	r IMSA-6801-01Y901 LAU2R2K		R 351	(B,159,114)	RS1/16S390J	
					352	(B,156,120)	RS1/16S0R0J	
L	161	(A,122,99) Inductor	LAU2R2K		353	(B,131,109)	RS1/16S390J	
L	171	(A,146,32) Inductor	YTF5001	F	354	(B,132,109)	RS1/16S390J	
L	181	(A,138,61) Ferri-Inductor	LAU100K	F	355	(B,136,121)	RS1/16S390J	
L	251	(B,52,55) Inductor	DTH1197	F	356	(B,132,97)	RS1/16S390J	
L	401	(A,150,90) Inductor	LAU1R0K	F	R 358	(B,131,129)	RS1/16S390J	
1	402	(B,159,106) Inductor	LCTAW220J2520		359	(B,163,133)	RS1/16S223J	
	403	(A,156,34) Inductor	LAU1R0K		360	(B,159,132)	RS1/16S223J	
	501	(A,29,40) Inductor	YTF5003		361	(B,158,117)	RS1/16S223J	
	601		LAU100K		362			
		(A,94,41) Ferri-Inductor		г	1 302	(B,159,136)	RS1/16S223J	В
	602	(A,104,34) Inductor	LAU2R2K		363	(B,134,129)	RS1/16S223J	
	852	(A,37,16) Inductor	LAU2R2K		364	(B,137,129)	RS1/16S223J	
L	901	(A,39,102) Choke Coil 600	uH CTH1280	F	381	(B,136,129)	RS1/16S0R0J	
Χ	601	(A,84,44) Oscillator 15 MHz	YSS5002	F	382	(B,140,125)	RS1/16S0R0J	
	FU353	(B,131,132) Fuse 3 A	CEK1286		383	(B,140,123)	RS1/16S0R0J	
	Z601	(A,29,16) Buzzer	CPV1062		R 384	(B,148,117)	RS1/16S0R0J	
V	401	(A,163,101) FM/AM Tuner l	Init CWE2009		R 385	(B,148,116)	RS1/16S0R0J	
Y	401	(A, 163, 101) FM/AM Turier (JIII CWE2098			, , ,		
					386	(B,144,123)	RS1/16S0R0J	
RE	SISTOF	<u> </u>			391	(B,143,126)	RS1/16S0R0J	
				F	392	(B,144,129)	RS1/16S0R0J	
R	101	(B,31,122)	RS1/16S181J					С
	102	(B,34,114)	RS1/16S222J	F	3 401	(B,152,54)	RS1/16S681J	
	103	(B,25,129)	RS1/16S181J	F	3 403	(B,156,85)	RS1/16S681J	
	104	(B,36,134)	RS1/16S101J		3 404	(B,157,88)	RS1/16S681J	
	105	(B,33,135)	RS1/16S101J		R 405	(B,157,90)	RS1/16S681J	
п	103	(0,33,133)	H31/1031013		3 406	(B,156,91)	RS1/16S681J	
_	400	(D.00.404)	D04/4000001		1 400	(2,100,01)	1101/1000010	
	106	(B,30,121)	RS1/16S223J	_	R 407	(B,156,93)	RS1/16S0R0J	
	107	(B,25,125)	RS1/16S223J					
	108	(B,27,125)	RS1/16S102J		3 414	(A,157,23)	RD1/4PU4R7J	
	109	(B,28,121)	RS1/16S102J		R 421	(B,155,86)	RS1/16S0R0J	
R	110	(B,37,96)	RS1/16S332J		R 451	(B,121,117)	RS1/16S103J	
				F	3 452	(B,119,121)	RS1/16S221J	
R	111	(B,32,112)	RS1/16S562J					
	112	(B,74,72)	RS1/16S102J	F	3 453	(B,121,125)	RS1/16S153J	D
	113	(B,81,66)	RS1/16S472J	F	3 454	(A,117,111)	RD1/4PU102J	
	114	(B,78,59)	RS1/16S472J	F	R 502	(B,26,25)	RS1/16S3302F	
	116	(B,31,135)	RS1/16S470J		R 503	(B,24,27)	RS1/16S333J	
- 11	110	(0,01,100)	1101/1004/00		R 505	(B,28,31)	RS1/16S8201F	
_	447	(D 00 105)	DC1/1001501	•		(2,23,31)	1101/10002011	
	117	(B,30,135)	RS1/16S150J	_	R 506	(B,27,31)	RS1/16S683J	_
	118	(B,66,75)	RS1/16S0R0J		R 507		RS1/16S222J	
	151	(B,146,88)	RS1/16S102J			(B,82,57)		
	152	(B,147,87)	RS1/16S102J		3 510	(B,28,45)	RS1/16S823J	
R	153	(B,145,86)	RS1/16S102J		R 511 R 512	(B,28,22) (B,53,21)	RS1/10SR471J RS1/16S0R0J	
R	171	(B,130,32)	RS1/16S122J			•		
	172	(B,123,29)	RS1/16S122J	F	R 513	(B,32,22)	RS1/16S222J	
		•			3 602	(B,83,49)	RS1/16S103J	E
	173	(B,146,31)	RS1/16S1R0J		R 603	(B,98,86)	RS1/16S103J	
	174	(B,144,30)	RS1/16S391J			•		
R	175	(B,134,32)	RS1/16S821J		R 604 R 605	(B,109,62) (B,113,59)	RS1/16S681J RS1/16S681J	
R	176	(B,134,29)	RS1/16S102J					
	177	(B,140,34)	RS1/10S4701F		R 606	(B,103,28)	RS1/16S103J	
	181	(B,133,67)	RS1/16S391J	F	R 607	(B,110,60)	RS1/16S681J	
	254	(B,45,72)	RS1/16S681J	F	R 608	(B,107,40) (P4100UB,P41	50UB) RS1/16S104J	
	257	(B,58,52)	RS1/16S103J		R 609	(B,105,43) (P410UB,P415	,	
		, , ,		•		(B,105,43) (P4100UB)	RS1/16S473J	
	301	(B,124,111)	RS1/16S682J	-	2 642	(D.106.05)	DC1/160470 !	
	302	(B,137,109)	RS1/16S123J		R 610	(B,106,65)	RS1/16S473J	
R	303	(B,128,109)	RS1/16S682J		R 613	(B,110,83)	RS1/16S104J	F
R	304	(B,140,109)	RS1/16S682J		R 616	(B,36,27)	RS1/16S473J	•
	305	(B,126,109)	RS1/16S123J	F	R 617	(B,42,64)	RS1/16S473J	
		•		F	R 618	(B,74,59)	RS1/16S102J	

		1	2			3	4
	Ciro						
	Circi	<u>uit Symbol and No.</u>	<u>Part No.</u>		Circ	uit Symbol and No.	<u>Part No.</u>
	R 620	(B,109,66)	RS1/16S0R0J		C 159	(B,119,79)	CKSRYB105K10
						,	
	R 621	(B,14,139)	RS1/16S102J		C 160	(A,124,83)	CEJQ100M16
	R 622	(B,12,139)	RS1/16S102J		C 162	(A,124,89)	CEJQ470M10
						(B,124,86)	
Α	R 627	(B,114,92)	RS1/16S102J		C 163	· · · · · · · · · · · · · · · · · · ·	CKSRYB104K25
	R 701	(A,16,63)	RD1/4PU271J	1	C 165	(A,135,97)	CEJQ100M16
	R 703	(P 40 42)	RS1/16S472J		C 171	(P 105 20)	CKSRYB104K25
		(B,49,43)				(B,125,30)	
	R 704	(B,32,26)	RS1/16S104J		C 172	(A,132,27)	CEJQ101M16
	R 705	(B,49,46)	RS1/16S472J		C 173	(B,139,22)	CKSRYB104K25
_	R 706	(B,49,48)	RS1/16S104J		C 174	(A,140,24)	CEJQ101M16
	R 707	(B,36,29)	RS1/16S104J		C 175	(B,140,26)	CCSRCH471J50
	R 708	(B,47,50)	RS1/16S221J		C 176	(B,138,32)	CKSRYB223K50
	R 709	(B,36,24)	RS1/16S102J		C 177	(A,135,36)	CEJQ470M16
	R 710	(B,49,45)	RS1/16S221J		C 181	(B,141,72)	CKSRYB473K25
	R 711	(B,37,40)	RS1/16S221J		C 182	(B,129,73)	CKSRYB104K25
		· · · · /				,	
В	R 712	(B,49,42)	RS1/16S221J	,	C 183	(A,132,72)	CEJQ470M16
	R 713	(B,35,25)	RS1/16S221J		C 251	(B,50,68)	CKSRYB104K25
	R 714	(B,46,53)	RS1/16S104J		C 252	(B,44,63)	CKSRYB104K25
						,	
	R 806	(B,62,17)	RS1/16S222J		C 253	(B,42,65)	CKSRYB103K50
	R 807	(B,62,18)	RS1/16S222J		C 305	(B,135,113)	CKSQYB474K25
	R 808	(B,82,39)	RS1/16S104J		C 306	(B,127,113)	CKSQYB474K25
	11 000	(0,02,09)	1131/1031040		C 300	(D,127,110)	010010474125
	R 816	(B,118,19)	RS1/16S1R0J		C 307	(B,129,113)	CKSQYB474K25
	R 825	(B,77,49)	RS1/16S102J		C 308	(B,132,113)	CKSQYB474K25
	R 832	(B,49,10)	RS1/16S0R0J		C 309	(B,125,134)	CKSQYB225K10
	R 834	(B,128,41)	RS1/16S1R0J		C 310	(B,127,132)	CKSQYB225K10
	R 835	(B,101,15)	RS1/16S0R0J		C 311	(A,103,127)	CEJQ100M16
С	11 000	(2,101,10)	1101/10001100		0 011	(11,100,127)	02001001110
	R 841	(B,134,23)	RS1/16S103J		C 313	(A,51,123) 3 300 uF/16 V	CCH1494
	R 842	(B,135,23)	RS1/16S472J		C 315	(B,134,117)	CKSRYB474K10
	R 851	(B,34,19)	RS1/16S153J		C 316	(B,125,114)	CKSRYB474K10
	R 852	(B,24,19)	RS1/16S472J		C 317	(B,123,114)	CKSRYB474K10
	R 853	(B,44,8)	RS1/16S222J		C 318	(B,131,117)	CKSRYB474K10
	11 000	(2,11,0)	1101/1002220		0.0	(2,131,117)	OKONI BIT IKIO
	R 911	(B,20,71)	RS1/16S223J		C 351	(A,130,97)	CEJQ2R2M50
		,				,	
	R 912	(A,16,78)	RD1/4PU152J		C 352	(A,141,97)	CEJQ2R2M50
	R 922	(B,11,110)	RS1/16S473J		C 353	(A,135,103)	CEJQ2R2M50
	R 930	(B,107,84)	RS1/16S104J		C 354	(A,140,103)	CEJQ2R2M50
						· · · · · · · · · · · · · · · · · · ·	
	R 931	(B,82,50)	RS1/16S104J		C 355	(A,130,103)	CEJQ2R2M50
D	R 932	(B,113,78)	RS1/16S104J		C 356	(A,147,103)	CFJQ2B2M50
_							0 = 0 0 = 1 1 1 1 1 1 1 1
	R 933	(B,64,96)	RS1/16S104J		C 401	(A,155,55)	CEJQ470M6R3
	R 934	(B,64,98)	RS1/16S473J		C 402	(B,158,56)	CKSRYB103K50
	R 935	(B,61,91)	RS1/16S473J		C 403	(B,157,37)	CKSRYB103K50
	R 936	(B,60,98)	RS1/16S473J		C 405	(A,154,102)	CEJQ101M10
	n 930	(0,00,96)	NO 1/1004/30		C 405	(A, 134, 102)	CESQIVIVIO
	R 937	(B,63,117)	RS1/16S472J		C 406	(B,167,94)	CKSRYB104K25
_	R 938	(B,59,125)	RS1/4SA102J		C 407	(B,159,68)	CKSRYB103K50
		,					
	R 951	(B,106,106)	RS1/16S473J		C 408	(A,157,29)	CEJQ220M10
	R 962	(B,102,32)	RS1/16S822J		C 410	(B,157,25)	CKSRYB474K10
	R 967	(B,90,36)	RS1/16S102J		C 411	(B,167,92)	CCSRCH470J50
	D 674	(D.00.405)	D04/4044004		0.440	(D.400.405)	01(00)(0.40=:(::
_	R 971	(B,62,125)	RS1/4SA102J		C 412	(B,128,135)	CKSRYB105K10
Е	R 972	(B,75,100)	RS1/16S103J		C 451	(A,119,126)	CEJQ330M10
		(=,:=,:==)			C 501	(A,29,27) 150 uF/6.3 V	CCH1781
	CAPACITO	<u>DRS</u>		1	C 502	(A,17,50)	CEJQ221M16
					C 503	(B,24,23)	CCSRCH221J50
	C 101	(B,28,135)	CKSRYB104K25			·= ··	
	C 104	(B,74,70)	CKSRYB103K50		C 504	(B,17,53)	CKSRYB105K16
					C 505	(B,25,31)	CCSRCH101J50
-	C 151	(B,145,76)	CKSRYB105K10			,	
	C 152	(B,145,79)	CKSRYB105K10		C 506	(B,27,35)	CKSRYB332K50
	C 153	(B,159,74)	CKSRYB224K10		C 507	(B,28,43)	CKSRYB104K25
	2 .00	_,·••,··,	5.1.C		C 508	(B,29,22)	CKSRYB105K10
	C 154	(B 145 79)	CK6BAB4UER4U		_ 555	\-; - /	5.15.1151001110
		(B,145,78)	CKSRYB105K10		C 601	(B,83,46)	CCSRCH180J50
	C 155	(B,163,71)	CKSRYB224K10			, , , , , , , , , , , , , , , , , , , ,	
F	C 156	(B,119,80)	CKSRYB105K10		C 602	(B,87,46)	CCSRCH180J50
•	C 157	(B,119,85)	CKSRYB105K10		C 603	(B,79,47)	CKSRYB105K10
		, , ,			C 604	(B,101,43)	CKSRYB105K10
	C 158	(B,119,89)	CKSRYB105K10				
					C 605	(A,103,40)	CEJQ100M16

	5	6		7	8	-
Circ	cuit Symbol and No.	Part No.	Circ	cuit Symbol and	<u>l No.</u> <u>Part No.</u>	
C 606	(B,112,33)	CKSRYB104K25	S 1806	(A,9,147) Push S	witch CSG1155	
C 607	(A,97,37)	CEJQ100M16	S 1807	(A,13,18) Push S		
C 609	(B,110,64)	CCSRCH470J50	S 1808	(A,39,54) Push S		
C 623	(B,111,93)	CKSRYB104K25		(,,- ,		
C 701	(B,21,57)	CKSRYB473K25	S 1809	(A,17,45) Push S	witch CSG1155	Α
	(=,=:,=:)	0.10.1.2.7.01.20	S 1810	(A,39,45) Push S		
C 703	(A,24,53)	CEJQ101M10	S 1811		ommander(MULTI-CONTROL) CSX1144	
C 704	(B,145,67)	CKSRYB105K10		(, =,= , =, ==		
C 705	(B,127,84)	CKSRYB105K10	RESISTO	nrs		
C 708	(A,39,27)	CEJQ220M10	<u>IILOIO I O</u>	<u> </u>		
C 709	(B,48,29)	CKSRYB105K10	R 1801	(B,23,131)	RS1/16S222J	
	(=, :=,==)		R 1802	(B,22,133)	RS1/16S222J	
C 710	(B,45,27)	CKSRYB474K10	R 1804	(B,22,62)	RS1/16S2223	
C 720	(B,39,52)	CKSRYB105K10	R 1805	(B,18,44)	RS1/16S1013	
C 851	(B,25,12)	CKSRYB104K25	R 1806	(B,24,62)	RS1/16S1033	
C 901	(B,54,117)	CKSRYB104K25	H 1000	(0,24,02)	H31/1032H23	
C 911	(A,15,68)	CEJQ470M10	R 1807	(B 20 22)	RS1/16S102J	В
0 011	(, 1, 10,00)	02001701110		(B,38,23)		В
C 912	(B,21,73)	CKSRYB103K50	R 1808	(B,21,22)	RS1/16S333J	
C 913	(A,24,74)	CEAT102M16	R 1809	(B,31,21)	RS1/16S822J	
C 913 C 921	(B,12,112)	CKSRYB103K50	R 1810	(B,28,19)	RS1/16S332J	
C 921 C 922	(A,18,99)	CEJQ221M10	R 1811	(B,14,43)	RS1/16S102J	
C 922 C 923	(A, 18, 99) (A, 16, 117)	CEJQ221M10 CEJQ101M16	D 4040	(D. OF. 04)	D04/400000	
J 323	(1,10,111)	CLUCIONNIO	R 1812	(B,25,21)	RS1/16S222J	
C 924	(B,15,115)	CKSRYB103K50	R 1813	(B,41,42)	RS1/16S103J	-
	(B,101,36)		R 1814	(B,21,135)	RS1/16S103J	
C 961 C 962	· , , ,	CKSRYB473K25 CEJQ100M16	R 1815	(B,17,139)	RS1/16S103J	
C 962 C 971	(A,93,33) (A,89,97)	CEJQ100M16 CEJQ1R0M50	R 1816	(B,18,139)	RS1/16S103J	
C 9/1	(A,09,97)	CEJQTHOMSO		(5)	50.//.50./55.	
			R 1817	(B,20,137)	RS1/16S103J	•
			R 1818	(B,41,16)	RS1/16S333J	С
151				(B,40,16)	RS1/16S822J	
	mbor. (D/110HD)		R 1819			
Jnit Nu	mber: (P410UB)		R 1820	(B,40,19)	RS1/16S332J	
Jnit Nu	•)				
Jnit Nu Jnit Nu	mber: (P4100UB)		R 1820 R 1821	(B,40,19) (B,38,21)	RS1/16S332J RS1/16S222J	
Jnit Nu Jnit Nu	mber: (P4100UB mber: (P4150UB)	R 1820 R 1821 R 1822	(B,40,19) (B,38,21) (B,14,39)	RS1/16S332J RS1/16S222J RS1/16S333J	
Unit Nu Unit Nu Unit Nu	mber: (P4100UB))	R 1820 R 1821 R 1822 R 1823	(B,40,19) (B,38,21) (B,14,39) (B,14,18)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J	•
Jnit Nu Jnit Nu Jnit Nu	mber: (P4100UB mber: (P4150UB)	R 1820 R 1821 R 1822 R 1823 R 1824	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J	•
Jnit Nu Jnit Nu Jnit Nu Jnit Na	mber: (P4100UB mber: (P4150UB)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J	•
Jnit Nu Jnit Nu Jnit Nu Jnit Na	mber: (P4100UB mber: (P4150UB me : Keyboard)	R 1820 R 1821 R 1822 R 1823 R 1824	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J	
Jnit Nu Jnit Nu Jnit Nu Jnit Na MSCELL	mber: (P4100UB mber: (P4150UB me : Keyboard)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J	•
Jnit Nu Jnit Nu Jnit Nu Jnit Na MISCELL C 1801	mber: (P4100UB mber: (P4150UB me : Keyboard .ANEOUS) Unit	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J	•
Jnit Nu Jnit Nu Jnit Nu Jnit Na MSCELL C 1801 C 1802	mber: (P4100UB) mber: (P4150UB) me : Keyboard ANEOUS	Unit GP1UXC14RK	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J	
Jnit Nu Jnit Nu Jnit Na Jnit Na MISCELL IC 1801 IC 1802 IC 1803	mber: (P4100UB) mber: (P4150UB) me: Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC	Unit GP1UXC14RK PEG412A	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J	■
Jnit Nu Jnit Nu Jnit Na Jnit Na MISCELL C 1801 C 1802 C 1803 Q 1802	mber: (P4100UB) mber: (P4150UB) me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC	Unit GP1UXC14RK PEG412A PML019A	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J	■
Jnit Nu Jnit Nu Jnit Na Jnit Na IISCELL C 1801 C 1802 C 1803 Q 1802	mber: (P4100UB) mber: (P4150UB) me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor	GP1UXC14RK PEG412A PML019A 2SC2412K	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J	■
Jnit Nu Jnit Nu Jnit Na Jnit Na MISCELL C 1801 C 1802 C 1803 Q 1802 D 1801	mber: (P4100UB) mber: (P4150UB) me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor	GP1UXC14RK PEG412A PML019A 2SC2412K	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J	D
Jnit Nu Jnit Nu Jnit Na Jnit Na IISCELL C 1801 C 1802 C 1803 Q 1802 D 1801	mber: (P4100UB) mber: (P4150UB) me: Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J	D
Jnit Nu Jnit Nu Jnit Na Jnit Na IISCELL C 1801 C 1802 C 1803 Q 1802 O 1801	mber: (P4100UB mber: (P4150UB mber: (P4150UB me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,23,137) Diode	Dnit GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA822J	D
Jnit Nu Jnit Nu Jnit Nu Jnit Na MISCELL C 1801 C 1802 C 1803 Q 1802 D 1801 D 1802 D 1803 D 1804	mber: (P4100UB mber: (P4150UB mber: (P4150UB me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (A,6,9) LED (A,11,6) LED	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,125)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J	D D
Jnit Nu Jnit Nu Jnit Nu Jnit Na MISCELL 1C 1801 1C 1802 1C 1803 Q 1802 D 1801 D 1802 D 1803 D 1804 D 1805	mber: (P4100UB mber: (P4150UB mber: (P4150UB me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,23,137) Diode (A,6,9) LED	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE) CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,125) (B,40,119)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S392J	D
Jnit Nu Jnit Nu Jnit Nu Jnit Na MISCELL IC 1801 IC 1802 IC 1803 Q 1802 D 1801 D 1802 D 1803 D 1804 D 1805	mber: (P4100UB mber: (P4150UB mber: (P4150UB me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,125)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J	D
Unit Nu Unit Nu Unit Nu Unit Na Unit Na MISCELL IC 1801 IC 1802 IC 1803 Q 1802 D 1801 D 1802 D 1803 D 1804 D 1805 D 1806	mber: (P4100UB mber: (P4150UB mber: (P4150UB me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,16) LED	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,125) (B,40,119) (B,41,23)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S392J RS1/16S103J	D
Jnit Nu Jnit Nu Jnit Nu Jnit Na Jnit Na MISCELL IC 1801 IC 1802 IC 1803 Q 1802 D 1801 D 1802 D 1803 D 1804 D 1805 D 1806 D 1807	mber: (P4100UB mber: (P4150UB mber: (P4150UB me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S392J RS1/16S103J	D
Jnit Nu Jnit Nu Jnit Nu Jnit Na Jnit Na MISCELL C 1801 C 1802 C 1803 Q 1802 D 1801 D 1802 D 1803 D 1804 D 1805 D 1806 D 1807 D 1808	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,23,137) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,6) LED (A,37,16) LED (A,16,16) LED (A,19,27) LED	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA822J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S392J RS1/16S473J	D
Jnit Nu Jnit Nu Jnit Nu Jnit Na Jnit Na MISCELL C 1801 C 1802 C 1803 Q 1802 D 1801 D 1802 D 1803 D 1804 D 1805 D 1806 D 1807 D 1808 D 1808	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,23,137) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,16) LED (A,37,16) LED (A,16,16) LED (A,19,27) LED (A,38,27) LED	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE) CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1842	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S392J RS1/16S473J RS1/16S473J RS1/16S473J RS1/16S473J	D
Jnit Nu Jnit Nu Jnit Nu Jnit Na Jnit Na MISCELL C 1801 C 1802 C 1803 C 1802 C 1803 C 1804 C 1805 C 1805 C 1806 C 1807 C 1808 C 1809 C 1810	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,23,137) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,6) LED (A,37,16) LED (A,19,27) LED (A,38,27) LED (A,37,41) LED	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1842 R 1843 R 1844	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,9,152) (B,41,129) (B,38,127) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148) (B,27,142)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S32J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S473J RS1/16S473J RS1/16S473J RS1/16S154J RS1/16S473J	D
Jnit Nu Jnit Nu Jnit Nu Jnit Na Jnit Na IISCELL C 1801 C 1802 C 1803 Q 1802 Q 1801 C 1802 Q 1803 Q 1804 Q 1805 Q 1806 C 1807 Q 1808 Q 1809 Q 1810	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,23,137) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,16) LED (A,37,16) LED (A,16,16) LED (A,19,27) LED (A,38,27) LED	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1842	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S392J RS1/16S473J RS1/16S473J RS1/16S473J RS1/16S473J	D
Jnit Nu Jnit Nu Jnit Nu Jnit Na Jnit Na MISCELL IC 1801 IC 1802 IC 1803 Q 1802 D 1801 D 1802 D 1803 D 1804 D 1805 D 1806 D 1807 D 1808 D 1809 D 1810 D 1811	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,23,137) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,6) LED (A,37,16) LED (A,19,27) LED (A,38,27) LED (A,37,41) LED (A,19,42) LED	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1843 R 1844 R 1845	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148) (B,27,142) (B,28,136)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA822J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S473J RS1/16S473J RS1/16S473J RS1/16S154J RS1/16S473J RS1/16S473J RS1/16S473J	D
Jnit Nu Jnit Nu Jnit Nu Jnit Nu Jnit Na MISCELL C 1801 C 1802 C 1803 Q 1802 D 1801 D 1802 D 1803 D 1804 D 1805 D 1806 D 1806 D 1807 D 1808 D 1809 D 1810 D 1811	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,23,137) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,6) LED (A,37,16) LED (A,19,27) LED (A,38,27) LED (A,37,41) LED (A,19,42) LED (A,39,58) LED	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1842 R 1843 R 1844	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148) (B,27,142) (B,28,136) (B,29,139)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S32J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S473J RS1/16S473J RS1/16S473J RS1/16S154J RS1/16S473J	D
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Jnit Nu Jnit Nu Jnit Nu Jnit Nu Jnit Na IISCELL C 1801 C 1802 C 1803 Q 1802 Q 1803 Q 1802 Q 1803 Q 1804 Q 1805 Q 1806 Q 1806 Q 1807 Q 1808 Q 1809 Q 1810 Q 1811 Q 1812 Q 1813 Q 1817 Q 1833	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me : Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,25,133) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,16) LED (A,37,16) LED (A,19,27) LED (A,38,27) LED (A,38,27) LED (A,37,41) LED (A,19,42) LED (A,39,58) LED (A,6,147) LED (B,12,149) Diode (B,25,155) Diode	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE)	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1843 R 1844 R 1845 R 1844 R 1845 R 1846 R 1847 R 1848 R 1849	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,20,142) (B,12,148) (B,27,142) (B,28,136) (B,29,139) (B,30,139)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S32J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S392J RS1/16S103J RS1/16S473J RS1/16S473J RS1/16S154J RS1/16S101J	D
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Jnit Nu Jnit Nu Jnit Nu Jnit Na Jnit Na MISCELL IC 1801 IC 1802 IC 1803 Q 1802 D 1801 D 1802 D 1803 D 1804 D 1805 D 1806 D 1807 D 1808 D 1809 D 1810 D 1811 D 1812 D 1813 D 1817 D 1833 D 1834	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me: Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,25,133) Diode (B,23,137) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,6) LED (A,37,16) LED (A,19,27) LED (A,38,27) LED (A,38,27) LED (A,37,41) LED (A,19,42) LED (A,39,58) LED (A,6,147) LED (B,12,149) Diode (B,25,155) Diode (B,28,160) Diode	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE) SS355 MALS068X MALS068X	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1843 R 1844 R 1845 R 1844 R 1845 R 1846 R 1847 R 1848 R 1849	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148) (B,27,142) (B,28,136) (B,29,139) (B,30,139) (B,27,139) (B,26,136)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S32J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S392J RS1/16S473J RS1/16S473J RS1/16S473J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J	D E
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Jnit Nu Jnit Nu Jnit Nu Jnit Nu Jnit Na ISCELL C 1801 C 1802 C 1803 Q 1802 Q 1803 Q 1802 Q 1801 C 1805 Q 1806 C 1807 Q 1808 Q 1809 Q 1810 Q 1811 C 1812 Q 1813 Q 1817 Q 1833 Q 1834 Q 1835 K 1801	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me: Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,25,133) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,16) LED (A,16,16) LED (A,37,16) LED (A,37,41) LED (A,37,41) LED (A,39,58) LED (A,39,58) LED (A,6,147) LED (B,12,149) Diode (B,25,155) Diode (B,28,160) Diode (B,28,159) Diode (B,28,159) Diode (B,28,159) Diode (B,14,155) Radiator 10.0	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE) MALS068X MALS068X MALS068X MALS068X MALS068X MALS068X MHz CSS1577	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1843 R 1844 R 1845 R 1844 R 1845 R 1846 R 1847 R 1848 R 1849 R 1850	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148) (B,27,142) (B,12,148) (B,27,142) (B,28,136) (B,29,139) (B,30,139) (B,30,139) (B,27,139) (B,26,136) (B,32,137)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S32J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S103J RS1/16S473J RS1/16S473J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J	D E
Jnit Nu Jnit Nu Jnit Nu Jnit Nu Jnit Na ISCELL C 1801 C 1802 C 1803 Q 1802 Q 1803 Q 1802 Q 1801 C 1805 Q 1806 C 1807 Q 1808 Q 1809 Q 1810 Q 1811 C 1812 Q 1813 Q 1817 Q 1833 Q 1834 Q 1835 C 1801 G 1835 C 1801 G 1835 C 1801 G 1835 C 1801 G 1831	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me: Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,25,133) Diode (B,23,137) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,6) LED (A,37,16) LED (A,37,16) LED (A,38,27) LED (A,38,27) LED (A,39,41) LED (A,39,41) LED (A,39,58) LED (A,6,147) LED (B,12,149) Diode (B,28,155) Diode (B,28,160) Diode (B,28,155) Radiator 10.0 (A,39,23) Push Switch	GP1UXC14RK PEG412A PML019A 2SC2412K MC2848-11 CL-197HB1-D(CDE) CSS355 MALS068X MALS068X MALS068X MALS068X MALS068X MALS068X MALS068X MALS068X MALS068X	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1842 R 1843 R 1844 R 1845 R 1845 R 1846 R 1847 R 1848 R 1849 R 1850 R 1850	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148) (B,27,142) (B,28,136) (B,29,139) (B,30,139) (B,30,139) (B,30,139) (B,32,137) (B,38,124)	RS1/16S332J RS1/16S222J RS1/16S333J RS1/16S822J RS1/16S32J RS1/16S222J RS1/16S222J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S682J RS1/16S473J RS1/16S473J RS1/16S473J RS1/16S101J	D E
Jnit Nu Jnit Nu Jnit Nu Jnit Nu Jnit Na Jnit Na IISCELL C 1801 C 1802 C 1803 Q 1802 Q 1801 Q 1802 Q 1803 Q 1804 Q 1805 Q 1806 Q 1807 Q 1808 Q 1809 Q 1810 Q 1811 Q 1812 Q 1813 Q 1817 Q 1833 Q 1834 Q 1835 C 1801 G 1801	mber: (P4100UB mber: (P4150UB mber: (P4150UB me : Keyboard ANEOUS) (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,6) LED (A,37,16) LED (A,38,27) LED (A,38,27) LED (A,37,41) LED (A,19,42) LED (A,19,42) LED (A,19,42) LED (A,19,42) LED (B,12,149) Diode (B,28,155) Diode (B,28,160) Diode (B,28,155) Radiator 10.0 (A,39,23) Push Switch (A,40,7) Push Switch	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE) CSG1155 MALS068X	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1842 R 1843 R 1844 R 1845 R 1845 R 1846 R 1847 R 1848 R 1849 R 1850 R 1852 R 1863	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148) (B,27,142) (B,28,136) (B,29,139) (B,30,139) (B,30,139) (B,30,139) (B,30,139) (B,32,137) (B,38,124) (B,38,124) (B,38,124)	RS1/16S332J RS1/16S22J RS1/16S333J RS1/16S822J RS1/16S32J RS1/16S22J RS1/16S22J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S683J RS1/16S103J RS1/16S473J RS1/16S473J RS1/16S101J RS1/16S1000J RS1/16S0R0J RS1/16S0R0J	D E
Jnit Nu Jnit Nu Jnit Nu Jnit Nu Jnit Na ISCELL C 1801 C 1802 C 1803 Q 1802 Q 1801 C 1802 C 1803 Q 1804 Q 1805 Q 1806 C 1807 Q 1808 Q 1809 Q 1810 C 1811 C 1812 C 1813 C 1817 C 1833 C 1834 C 1835 C 1801 C 1801 C 1835 C 1801 C 1801 C 1802	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me: Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,25,133) Diode (B,23,137) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,6) LED (A,37,16) LED (A,37,16) LED (A,38,27) LED (A,38,27) LED (A,39,41) LED (A,39,41) LED (A,39,58) LED (A,6,147) LED (B,12,149) Diode (B,28,155) Diode (B,28,160) Diode (B,28,155) Radiator 10.0 (A,39,23) Push Switch	GP1UXC14RK PEG412A PML019A 2SC2412K MC2848-11 CL-197HB1-D(CDE) CSS355 MALS068X MALS068X MALS068X MALS068X MALS068X MALS068X MALS068X MALS068X MALS068X	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1843 R 1844 R 1845 R 1844 R 1845 R 1846 R 1847 R 1848 R 1849 R 1850 R 1852 R 1863 R 1867	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148) (B,27,142) (B,28,136) (B,29,139) (B,30,139) (B,30,139) (B,30,139) (B,30,139) (B,30,139) (B,3111) (B,38,124) (B,38,124) (B,38,124) (B,38,111) (B,38,111) (B,21,129)	RS1/16S332J RS1/16S22J RS1/16S333J RS1/16S822J RS1/16S332J RS1/16S22J RS1/16S22J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S683J RS1/16S682J RS1/16S473J RS1/16S473J RS1/16S101J	D E
Jnit Nu Jnit Nu Jnit Nu Jnit Nu Jnit Na ISCELL C 1801 C 1802 C 1803 Q 1802 C 1803 Q 1802 C 1803 C 1804 C 1805 C 1806 C 1807 C 1808 C 1808 C 1809 C 1810 C 1811 C 1812 C 1813 C 1817 C 1833 C 1834 C 1835 C 1801 C 1801 C 1802 C 1803	mber: (P4100UB) mber: (P4150UB) mber: (P4150UB) me: Keyboard ANEOUS (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (B,23,137) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,6) LED (A,37,6) LED (A,38,27) LED (A,38,27) LED (A,37,41) LED (A,19,42) LED (A,39,58) LED (A,6,147) LED (B,12,149) Diode (B,28,155) Diode (B,28,155) Diode (B,28,155) Diode (B,28,159) Diode (B,28,159) Diode (B,28,159) Diode (B,28,159) Push Switch (A,40,7) Push Switch (A,9,7) Push Switch	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE) CSG1155 MALS068X	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1843 R 1844 R 1845 R 1845 R 1846 R 1847 R 1848 R 1849 R 1850 R 1852 R 1863 R 1867 R 1869	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148) (B,27,142) (B,28,136) (B,29,139) (B,30,139) (B,30,139) (B,30,139) (B,30,139) (B,32,137) (B,38,124) (B,38,124) (B,38,124) (B,38,111)	RS1/16S332J RS1/16S22J RS1/16S333J RS1/16S822J RS1/16S32J RS1/16S22J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S683J RS1/16S682J RS1/16S473J RS1/16S473J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S100J RS1/16S0R0J RS1/16S0R0J RS1/16S0R0J RS1/16S0R0J RS1/16S0R0J	D E
Jnit Nu Jnit Nu Jnit Nu Jnit Nu Jnit Na MISCELL IC 1801 IC 1802 IC 1803 Q 1802 D 1803 D 1804 D 1805 D 1806 D 1807 D 1808 D 1808 D 1809 D 1810 D 1811 D 1812 D 1813 D 1817 D 1833 D 1834	mber: (P4100UB mber: (P4150UB mber: (P4150UB me : Keyboard ANEOUS) (A,17,54) Remote IC (B,17,149) IC (B,28,106) IC (B,40,116) Transistor (B,25,133) Diode (A,6,9) LED (A,11,6) LED (A,37,6) LED (A,37,6) LED (A,37,16) LED (A,38,27) LED (A,38,27) LED (A,37,41) LED (A,19,42) LED (A,19,42) LED (A,19,42) LED (A,19,42) LED (B,12,149) Diode (B,28,155) Diode (B,28,160) Diode (B,28,155) Radiator 10.0 (A,39,23) Push Switch (A,40,7) Push Switch	GP1UXC14RK PEG412A PML019A 2SC2412K MC2846-11 MC2848-11 CL-197HB1-D(CDE) CSG1155 MALS068X	R 1820 R 1821 R 1822 R 1823 R 1824 R 1825 R 1826 R 1826 R 1827 R 1828 R 1829 R 1830 R 1831 R 1834 R 1835 R 1836 R 1837 R 1840 R 1841 R 1842 R 1843 R 1844 R 1845 R 1845 R 1846 R 1847 R 1848 R 1849 R 1850 R 1852 R 1863 R 1867 R 1869	(B,40,19) (B,38,21) (B,14,39) (B,14,18) (B,15,18) (B,16,18) (B,16,18) (B,28,14) (B,37,17) (B,15,26) (B,32,16) (B,21,16) (B,21,16) (B,9,152) (B,41,129) (B,38,127) (B,38,127) (B,38,125) (B,40,119) (B,41,23) (B,19,155) (B,28,142) (B,12,148) (B,27,142) (B,28,136) (B,29,139) (B,30,139) (B,30,139) (B,30,139) (B,30,139) (B,30,139) (B,3111) (B,38,124) (B,38,124) (B,38,124) (B,38,111) (B,38,111) (B,21,129)	RS1/16S332J RS1/16S22J RS1/16S333J RS1/16S822J RS1/16S32J RS1/16S22J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/4SA562J RS1/16S393J RS1/16S683J RS1/16S683J RS1/16S682J RS1/16S473J RS1/16S473J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S101J RS1/16S100J RS1/16S0R0J RS1/16S0R0J RS1/16S0R0J RS1/16S0R0J RS1/16S0R0J	D E

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	Circuit Sym	hal and Na	Part No.		Circuit Symbol	and No	Part No.
				-		ana no.	
	R 1873 (B,27,154	4)	RS1/16S223J	R 235	(A,26,59)		RS1/16SS473J
	R 1874 (B,30,15)	7)	RS1/16S223J	R 237	(A,24,35)		RS1/16SS151J
	(),==, =	,		R 240	(, , ,		RS1/16S473J
	O A D A OITO DO			R 241	(, , ,		
Α	<u>CAPACITORS</u>			H 241	(B, 13,25)		RS1/16SS103J
	C 1804 (B,18,46)	1	CKSYF106Z10	R 244	(B,22,55)		RS1/16SS473J
	C 1820 (B,41,126	,	CKSRYB104K50	R 249			RS1/16SS103J
				R 250	,		RS1/16SS101J
	C 1821 (B,12,15	•	CKSRYB103K50		· · · · /		
	C 1824 (B,9,147))	CKSRYB104K50	R 252	, , , , ,		RS1/16SS101J
	C 1825 (B,38,113	3)	CKSRYB105K10	R 254	(A,25,64)		RS1/16SS104J
	C 1925 (B,40,42))	CKSRYB104K50	R 255	(A,26,63)		RS1/16SS104J
	, , ,		CKSRYB472K50	R 256	(A,25,62)		RS1/16SS104J
	•			R 259	(, , ,		RS1/16SS0R0J
	C 1932 (B,31,15)	/)	CKSRYB472K50		· · · · /		
				R 261			RS1/16SS104J
_	C			R 262	(A,29,59)		RS1/16SS0R0J
В	Unit Number:	CWX3712		R 263	(A,27,63)		RS1/16SS0R0J
				R 273			RS1/16SS103J
	Unit Name :	CD Core Unit(S10	.5 iPod-Code2 Class4)	R 277			RS1/16SS103J
		,	,				
	MICOEL LANGOU	•		R 282	, , , , ,		RS1/16SS240J
	MISCELLANEOUS	<u>5</u>		R 283	(A,29,61)		RS1/16SS240J
	IC 201 (A,35,46)) IC	PE5647A	R 284	(B,29,63)		RS1/16SS153J
	IC 205 (B,24,49)		341S2159	R 285			RS1/16SS153J
		,			(, -,,		
	IC 301 (A,28,15)	,	BA5839FP	R 291			RS1/16SS272J
) Transistor	2SA1577	R 292			RS1/16SS272J
	Q 102 (B,48,58)) Chip Transistor	2SB1689	R 293	(B,27,52)		RS1/16SS472J
_	0.004 (0.07.54)	\	0044577	R 294	(A 01 CO)		RS1/16SS471J
С) Transistor	2SA1577				
			16.934 MHz CSS1603	R 307	,		RS1/16SS183J
		Oscillator 48.000	MHz CSS1753	R 308	· · · · /		RS1/16SS183J
	S 901 (A,55,37)) Switch(HOME)	CSN1067	R 309	(A,35,21)		RS1/16SS183J
	S 903 (B,19,58)) Switch(DSCSNS)	CSN1067	R 310	(A,37,22)		RS1/16SS183J
				D 004	(5.00.04)		D04/40000D01
	S 904 (B,40,68)	Switch(12EJ)	CSN1068	R 601	,		RS1/16SS0R0J
-	S 905 (B,25,69)) Switch(8EJ)	CSN1068	R 602	(B,27,31)		RS1/16SS0R0J
	,	, ,		R 606	(B,28,23)		RS1/16S0R0J
	RESISTORS			R 701			RS1/16SS221J
	<u>nesis i uns</u>			R 702			RS1/16SS221J
	D 101 /D 61 74)	\	RS1/10SR2R4J	11 702	(71,20,00)		1101/10002210
	R 101 (B,61,74)	,		R 708	(B,15,37)		RS1/16S0R0J
ь	R 102 (B,61,72)		RS1/10SR2R4J		,		
D	R 103 (B,61,71))	RS1/10SR2R7J	R 712			RS1/16SS0R0J
	R 104 (B,53,66))	RS1/16SS222J	R 713	(B,14,53)		RS1/16SS0R0J
	R 105 (B,44,57))	RS1/16SS102J				
	(, , ,	,		<u>CAPA</u>	CITORS		
	R 107 (B,52,60))	RS1/16SS105J				
	R 202 (A,27,32)		RS1/16SS473J	C 106	(B,56,67)		CKSQYB475K6R3
	R 203 (A,51,44)		RS1/16S473J	C 202			CKSSYB104K10
_	R 204 (A,23,58)		RS1/16SS221J	C 204	, , , , ,		CKSSYB103K16
			RS1/16SS104J	C 205	,		CKSQYB475K6R3
	R 206 (B,10,26))	1101/1000104J		· · · · /		
	D 000 (D 10 TC)		D04/40004001	C 206	(A,23,40)		CKSSYB104K10
	R 209 (B,18,52)		RS1/16SS103J	0.007	/A 04 07\		CKSRYB104K16
	R 210 (B,10,23)		RS1/16SS102J	C 207	· · · · /		
Е	R 214 (B,49,50))	RS1/16SS472J	C 209	, , , , ,		CEVW220M6R3
_	R 216 (B,48,49))	RS1/16SS472J	C 210	(B,29,37)		CKSSYB104K10
	R 221 (A,51,48)		RS1/16SS103J	C 211	(A,28,35)		CKSSYB104K10
	(,, , , , , ,	,		C 212			CKSRYB104K16
	R 222 (A,51,46))	RS1/16SS103J		, , ,		
	R 223 (B,13,43)		RS1/16SS473J	C 213	(A,46,39)		CKSSYB104K10
	· · · · ·			C 214			CKSSYB104K10
	R 225 (A,50,50)	,	RS1/16SS103J		, , , , ,		
-	R 226 (A,50,51)		RS1/16SS393J	C 216	· · · · /		CKSSYB332K50
	R 227 (B,47,51))	RS1/16SS562J	C 217			CKSSYB104K10
	B 000 (= :::		D04/40001001	C 218	(A,50,52)		CKSSYB473K10
	R 228 (B,44,51)		RS1/16SS122J				
	R 229 (B,46,53))	RS1/16SS472J	C 219			CKSSYB104K10
	R 230 (B,21,25))	RS1/16SS0R0J	C 220	(A,48,53)		CKSSYB182K50
F	R 232 (B,45,51)		RS1/16SS122J	C 221	(A,46,54)		CKSSYB104K10
•	R 233 (B,26,59)		RS1/16SS103J	C 222	,		CCSSCH560J50
	200 (0,20,00)	,	5 1, 1000 1000	C 223			CCSSCH4R0C50
	R 234 (B,22,26))	RS1/16SS473J	3 220	(2, 17,00)		555577770000
	(D,,,0)	,					
	DELL DATOUR VOLUC						

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<u>Cir</u>	cuit Symbol and No.	Part No.
C 224	(A,44,55)	CKSSYB104K10
C 226	(A,42,59)	CCSSCH680J50
C 227	(A,42,61)	CCSSCH470J50
C 228	(B,41,61)	CKSSYB103K16
C 229	(B,48,60)	CKSSYB104K10
C 236	(A,49,58)	CKSSYB104K10
C 239	(B,46,51)	CCSSCH220J50
C 240	(A,38,61)	CKSSYB104K10
C 243	(B,22,41)	CKSQYB475K6R3
C 250	(A,52,48)	CKSSYB102K50
C 251	(A,52,46)	CKSSYB102K50
C 260	(A,28,61)	CKSSYB104K10
C 261	(B,33,66)	CCSSCH8R0D50
C 262	(B,31,66)	CCSSCH8R0D50
C 290	(B,26,45)	CKSSYB104K10
C 293	(B,43,61)	CKSSYB102K50
C 294	(B,24,41)	CKSSYB104K10
C 303	(A,36,19)	CKSSYB472K25
C 304	(A,36,21)	CKSSYB223K16
C 307	(A,22,11)	CKSRYB104K16
C 308	(B,11,18)	CKSRYB105K10
C 703	(B,14,35)	CCSSCH101J50
C 704	(B,11,36)	CKSSYB102K50
C 711	(A.31.25)	CKSSYB104K10

Miscellaneous Parts List

	Pickup Unit(P10.5)(Service	ce) CXX1942
M 1	Motor Unit(SPINDLE)	CXC7134
M 2	Motor Unit(LOADING/CA	BRIAGE) CXC4026

DEH-P410UB/XS/UC

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